Scout Report sent out	☐
Noted in the NID File	☐
Location map pinned	☐
Approval or Disapproval Letter	☐
Date Completed, P&A, or operations suspended	12-23-55
Pin changed on location map	☐
Affidavit and Record of A&P	☐
Water Shut-Off Test	☐
Gas-Oil Ratio Test	☐
Well Log Filed	☑

FILE NOTATIONS

Entered in N I D File .....
Entered on S R Sheet .....
Location Map Pinned .....
Card Indexed .....
I W P Sheet Entered .....

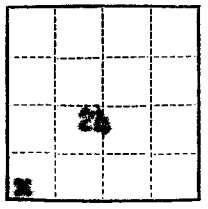
Checked by Chief .....
Copy N I D to Field Office .....
Approval Letter .....
Disapproval Letter .....

OW ✓ Completed 12/23/55 .....
.....
.....

Driller's Log 2/10/56
Electric Logs (No.) 4
E ✓ I ..... E-I ..... GR ..... GR-N ..... Micro ✓
Lat ..... Mi-L ..... Sonic ..... Others .....

Budget Bureau 42-R358.3.
Approval expires 12-31-55.

Form 9-331a
(Feb. 1951)



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake City
Lease No. U-0561
Unit Red Wash

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL		Subsequent report of DST #11	X

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Vernal, Utah October 25, 1955

Well No. 39 is located 660 ft. from {N/S} line and 710 ft. from {E/W} line of sec. 24

NE SW 24 (¼ Sec. and Sec. No.) 7S (Twp.) 22E (Range) SLBM (Meridian)

Red Wash (Field) Uintah (County or Subdivision) Utah (State or Territory)

The elevation of the derrick floor above sea level is 5427 ft. K.B.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

DST #11 - TD 5854. Straddle test zone 5109-5128. Johnston Testers. Ran 3 - 8" pkrs at 5104, 5109 and 5128. No BHC, no H.C. Tool opened at 1008' w/fair blow increasing to good blow in 3 minutes. Blow remained steady for remainder of test. Tool SI at 1208' for 30 min. Tool open 2 hrs. Recovered 424' fluid, 16' oil, 90' oil & gas cut mud and 318' of oil & gas cut water. Salinity 400 ppm. Gas 12 units, 30 CH4.

Press	IF	FF	SI	HH
Top	0	100	560	2450
Bottom				2460

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company The California Company

Address P. O. Box 455

Vernal, Utah

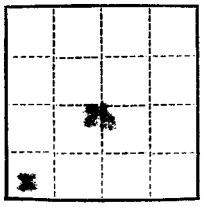
By [signature]

Title Area Supt.

U. S. GOVERNMENT PRINTING OFFICE 16—8437-5

Budget Bureau 42-R358.3.
Approval expires 12-31-55.

Form 9-331a
(Feb. 1951)



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake City
Lease No. U-0563
Unit Red Wash

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL		Subsequent Report of DST #12	X

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Vernal, Utah October 27, 1955

Well No. 39 is located 660 ft. from {N/S} line and 710 ft. from {E/W} line of sec. 24

SW SE 24 (¼ Sec. and Sec. No.) 7 S (Twp.) 22 E (Range) SLBM (Meridian)

Red Wash (Field) Uintah (County or Subdivision) Utah (State or Territory)

The elevation of the derrick floor above sea level is 5427 ft. G.L.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

DST #12 - TD 5254. Straddle test 4948-4968. Set 3 Johnston 8" pkrs at 4942, 4948 and 4960. No BHC, no W.C. Tool opened w/faint blow, increasing to fair blow in 20 minutes. Remained steady thruout remainder of test. Tool open 1½ hrs., SI 30 min. No gas to surface. Recovered 218' total fluid all slightly gas cut water. Salinity 800 ppm. Gas 3/4 units, 30 CH_4.

	IF	FF	SI	HH
Press				
Top	0	25	1550	2350
Bottom	Hold okay			2460

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company The California Company

Address P. O. Box 455

Vernal, Utah

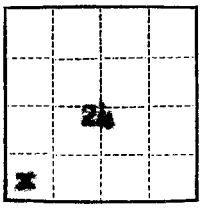
By Percy L. McGrath

Title Area Supt.

U. S. GOVERNMENT PRINTING OFFICE 16—8437-5

Budget Bureau 42-R358.3.
Approval expires 12-31-55.

Form 9-331a
(Feb. 1951)



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake City
Lease No. U-0561
Unit 2nd Wash

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL		Subsequent Report of DST #3	X

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Vernal, Utah November 7, 1955

Well No. 39 is located 660 ft. from {N/S} line and 710 ft. from {E/W} line of sec. 24

SE NW 24 (¼ Sec. and Sec. No.) 7 S (Twp.) 22 E (Range) SLBM (Meridian)

2nd Wash (Field) Uintah (County or Subdivision) Utah (State or Territory)

The elevation of the derrick floor above sea level is 5207 ft. K.B.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

DST #3 - TD 5795. Ran 3 Reeves 6" plug and set at 5611, 5615 and 5633 to straddle test zone 5618-5633. No BHT, no B.C. Tool opened w/fair blow remaining constant. Gas to surface in 50 minutes. Tool open 2½ hrs., SI 30 min. Recovered 1095' of fluid, 525' of high visc. oil and 570' of mud cut water.

Press	IF	FF	SI	HH
BT	Clock stopped while going in hole.			
PSD	Held ok @ 2900 psi			

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company The California Company

Address P. O. Box 455

Vernal, Utah

By Wayne Mecum

Title Area Supt.

U. S. GOVERNMENT PRINTING OFFICE 16—8437-5

Budget Bureau 42-R358.3.
Approval expires 12-31-55.

Form 9-331a
(Feb. 1951)

	24		
x			

(*SUBMIT IN TRIPLICATE*)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake City
Lease No. [illegible]
Unit Red Wash

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL		Subsequent Report of DST #17	X

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Vernal, Utah November 16, 1955

Well No. 39 is located 660 ft. from {N/S} line and 710 ft. from {E/W} line of sec. 24

SW SW 24 — (¼ Sec. and Sec. No.)
7 S — (Twp.)
22 E — (Range)
SLBM — (Meridian)

Red Wash — (Field)
Uintah — (County or Subdivision)
Utah — (State or Territory)

The elevation of the derrick floor above sea level is 5427 ft. [illegible]

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

DST #17 - Tested interval [illegible]. Tool opened w/fair blow remaining steady. Tool open 2 hrs. No gas to surface. SI 30 minutes. Recovered 1320' of v sli gas cut water - salinity 9700 ppm.

Press	IF	FF	SI	HH
Top	0	880	2080	2800
Bottom	Hold at [illegible] 2900			

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company The California Company

Address P. O. Box 455
Vernal, Utah

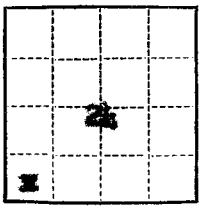
By F. L. Merry

Title Area Supt.

U. S. GOVERNMENT PRINTING OFFICE 16—8437-5

Budget Bureau 42-R358.3.
Approval expires 12-31-55.

Form 9-331a
(Feb. 1951)



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake City
Lease No. 3-0561
Unit Red Wash

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL		Subsequent Report of DST #4	X

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Vernal, Utah December 10, 1955

Well No. 39 is located 660 ft. from {N/S} line and 710 ft. from {E/W} line of sec. 24

SW SE 24 (¼ Sec. and Sec. No.) | 7 S (Twp.) | 22 E (Range) | SLM (Meridian)

Red Wash (Field) | Uintah (County or Subdivision) | Utah (State or Territory)

The elevation of the derrick floor above sea level is 5027 ft. K.B.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

DST #4 - TD 5795. Ran 2 Howco 8" pkrs and set at 5733, and 5760 to test zone 5760-5795. 35' of tail pipe. No BHC, no W.C. Tool opened w/faint blow increasing to fair blow in 5 minutes and remaining steady. No gas to surface. Tool open 2½ hrs., SI 30 min. Recovered 1309' v sli oil & gas cut water.

Press	IF	FF	SI	HH
BT	120	350	2040	2680
BC	300	660	2100	2920

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company The California Company

Address P. O. Box 455

Vernal, Utah

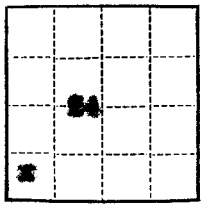
By Murray L. McCann

Title Area Engr.

U. S. GOVERNMENT PRINTING OFFICE 16—8437-5

Budget Bureau 42-R358.3.
Approval expires 12-31-55.

Form 9-331a
(Feb. 1951)



(*SUBMIT IN TRIPLICATE*)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake City
Lease No. U-0341
Unit Red Wash

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL		Subsequent Report of DST #1 & 2	X

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Vernal, Utah November 16, 1955

Well No. 55 is located 660 ft. from {N/S} line and 710 ft. from {E/W} line of sec. 24

SW SW 24 (¼ Sec. and Sec. No.) | T 8 (Twp.) | R 22 E (Range) | SLBM (Meridian)

Red Wash (Field) | Uintah (County or Subdivision) | Utah (State or Territory)

The elevation of the derrick floor above sea level is 5627 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

DST #1 - Set 3 pkrs @ 5809, 5812 and 5827 to test interval 5812-5827. No BHC, no T.S. Tool opened w/fair blow remaining steady. No gas to surface. Tool open 2 hours. SI 30 minutes. Recovered 1084' w sli gas cut water - salinity 7500 ppm.

Press	IF	FF	SI	HH
Top	0	480	2050	2900
Bottom	Held ok @ 2900			

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company The California Company

Address P. O. Box 455

Vernal, Utah

By J. L. Merry

Title Area Supt.

U. S. GOVERNMENT PRINTING OFFICE 16—8437-5

Form 9-331a
(Feb. 1951)

	24		
x			

Budget Bureau 42-R358.3.
Approval expires 12-31-55.

(*SUBMIT IN TRIPLICATE*)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake City
Lease No. U-[illegible]
Unit Red Wash

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL		Subsequent Report of DST #10	x

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Vernal, Utah November 2[illegible], 195[illegible]

Well No. [illegible] is located 660 ft. from {S} line and [illegible] ft. from {W} line of sec. 24

SW SW 24 — (¼ Sec. and Sec. No.)
7 S — (Twp.)
22 E — (Range)
SLBM — (Meridian)

Red Wash — (Field)
Uintah — (County or Subdivision)
Utah — (State or Territory)

The elevation of the derrick floor above sea level is [illegible] ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

DST #10 - Set pkrs at [illegible], [illegible] and [illegible] to test interval [illegible]. [illegible], no [illegible]. Tool opened w/weak blow increasing to fair in 20 minutes. Tool open 2 hours, SI 30 minutes. Recovered [illegible]' v sli gas cut water w/sli film oil on top.

Press	IF	FF	SI	BH
Top	[illegible]	410	1810	[illegible]
Bottom	Held ok at [illegible]			

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company The California Company

Address P. O. Box [illegible]
Vernal, Utah

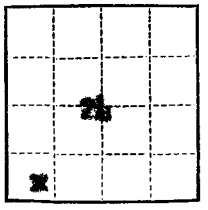
By F L Merry

Title Area Sup't.

U. S. GOVERNMENT PRINTING OFFICE 16—8437-5

Budget Bureau 42-R358.3.
Approval expires 12-31-55.

Form 9-331a
(Feb. 1951)



(*SUBMIT IN TRIPLICATE*)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office .....
Lease No. .....
Unit ..... Red Wash

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL		Subsequent Report of DST #15	X

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Vernal, Utah November 25, 1955

Well No. 39 is located 660 ft. from ~~[N]~~ [S] line and 710 ft. from ~~[E]~~ [W] line of sec. 24

SE SW 24 (¼ Sec. and Sec. No.) | 7 S (Twp.) | 22 E (Range) | SLBM (Meridian)

Red Wash (Field) | Uintah (County or Subdivision) | Utah (State or Territory)

The elevation of the derrick floor above sea level is 5327 ft. K.B.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

DST #15 - Set plug @ 5629, 5635 and 5650 to test interval 5635-5650. No INC, no S.C. Tool opened w/fair blow increasing to good in 3 min. Increasing to fair in one hour and remained steady. Tool open 2 hrs. - no gas to surface. SI 30 min. Recovered 393' v sli oil & gas cut water. Gas 240 units total, 30 units CH_4.

Press	IF	FF	SI	HH
BT	30	120	1900	2650
FRS	Hold ok @ 2910			

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company The California Company

Address P. O. Box 455

Vernal, Utah

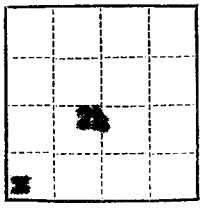
By [signature]

Title Area Supt.

U. S. GOVERNMENT PRINTING OFFICE 16—8437-5

Form 9-331a
(Feb. 1951)

Budget Bureau 42-R358.2.
Approval expires 12-31-52.



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake City
Lease No. U-0581
Unit Red Wash

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL		Subsequent Report of DST #16	X

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Vernal, Utah November 25, 1955

Well No. 39 is located 660 ft. from {N/S} line and 710 ft. from {E/W} line of sec. 24

SE SW 24 (¼ Sec. and Sec. No.) 7 S (Twp.) 22 E (Range) SLBM (Meridian)

Red Wash (Field) Uintah (County or Subdivision) Utah (State or Territory)

The elevation of the derrick floor above sea level is 5427 ft. K.B.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

DST #16 - Set plgs at 5868, 5854 and 5870 to test interval 5054 - 5870. No BHC, no W.C. Tool opened w/good blow, remaining steady. Tool open 2 hrs. Gas to surface in 21 min. Gate too low to measure. SI 30 min. Recovered 565' oil, 75' oil & gas cut mud, 60' gas & mud cut water.

Press
Top Bomb failed
Bottom Held ok @ 2925

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company The California Company

Address P. O. Box 455

Vernal, Utah

By H. L. McCoy

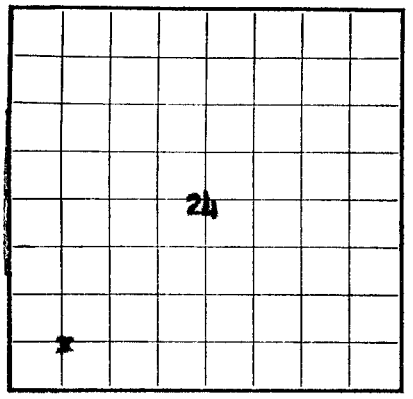
Title Area Supt.

U. S. GOVERNMENT PRINTING OFFICE 16—8437-4

dget Bureau No. 42-R-355.3.
proval expires 12-31-55.

Form 9-330

U. S. LAND OFFICE Salt Lake City
SERIAL NUMBER U-0561
LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company The California Company Address P. O. Box 455, Vernal, Utah
Lessor or Tract Red Wash Unit Field Red Wash State Utah
Well No. 39 Sec. 24 T. 7S R 22E Meridian SLBM County Uintah
Location 660 ft. {N.} of S Line and 710 ft. {E.} of W Line of Sec. 24 Elevation 5425
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed [signature]

Date January 26, 1956 Title Area Sup't.

The summary on this page is for the condition of the well at above date.

Commenced drilling September 11, 1955 Finished drilling November 22, 1955

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 5117 to 5129 No. 4, from 5095 to 5103
No. 2, from 5076 to 5082 No. 5, from 5620 to 5624
No. 3, from 5084 to 5091 No. 6, from 5864 to 5871

IMPORTANT WATER SANDS

No. 1, from to No. 3, from to
No. 2, from to No. 4, from to

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated From—	Perforated To—	Purpose
10 3/4	40.5	8	Rep.	419.75	HOWCO				
7	23	8	Rep.	5990.16	Baker		5076	5082	Production
							5084	5091	"
							5095	5103	"
							5117	5129	"
							5620	5624	"
							5864	5871	"

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4	435.35	170	HOWCO		
7	5990.16	400	HOWCO		

PLUGS AND ADAPTERS

Heaving plug—Material Length Depth set
Adapters—Material Size

SHOOTING RECORD

FOLD | MARK

FOLD | MAR

PLUGS AND ADAPTERS

Heaving plug—Material ..... Length ..... Depth set .....

Adapters—Material ..... Size .....

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from ..... feet to ..... feet, and from ..... feet to ..... feet

Cable tools were used from ..... feet to ..... feet, and from ..... feet to ..... feet

DATES

....., 19..... Put to producing ....., 19.....

The production for the first 24 hours was ..... barrels of fluid of which .....% was oil; .....% emulsion; .....% water; and .....% sediment. Gravity, °Bé. .....

If gas well, cu. ft. per 24 hours ..... Gallons gasoline per 1,000 cu. ft. of gas .....

Rock pressure, lbs. per sq. in. .....

EMPLOYEES

....., Driller ....., Driller

....., Driller ....., Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
5973	6063	90	Core No. 27, Cut & Rec 90 ft. 26 ft. ss & congl, pred fair to good perm, streaky stn & fluor to pred NSOF 10 ft. ss, tite to low perm, NSOF 13 ft. coq-cst, tite, NSOF 39 ft. sh, grn & siltst
6063	6153	90	Core No. 28, Cut & Rec 90 ft. 9 ft. ss, fair to good perm, streaky lt brn stn & yel fluor to NSOF 35 ft. ss, tite, in part argil, NSOF to rare streaky brn stn 2 ft. coq-cst, tite, NS 44 ft. sh, grn & siltst
6153	6209	56	Core No. 29, Cut 56 ft. & Rec 52 ft. 10 ft. sh, grn & red & siltst 42 ft. ss, argil, tite, 3 ft. w/streaky stn & fluor
6209	6256	47	Core No. 30, Cut 47 ft. & Rec 40 ft. 9 ft. ss, argil, tite, NSOF 31 ft. sh, sndy, red & grn & siltst

FORMATION RECORD—Continued

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from 0 feet to 6256 feet, and from ____ feet to ____ feet

Cable tools were used from ____ feet to ____ feet, and from ____ feet to ____ feet

DATES

December 29, 19 55 Put to producing December 23, 19 55

The production for the ~~first~~ 24 hours was 181 barrels of fluid of which 33 % was oil; ____ % emulsion; 67 % water; and ____ % sediment. Gravity, °Bé. °API 26.0

If gas well, cu. ft. per 24 hours ____ Gallons gasoline per 1,000 cu. ft. of gas ____

Rock pressure, lbs. per sq. in. ____

EMPLOYEES

D. R. Wells, Driller C. Sweatfield, Driller

A. R. Pierce, Driller ____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2140	2140	Shale
2140	2210	70	Sh & Lls
2210	2440	230	Sh & sand
2440	2660	220	Shale
2660	2685	25	Sand & Shale
2685	2900	215	Shale & Sand
2900	3430	530	Shale, Lls, Sand
3430	3710	280	Sand & Shale
3710	3810	100	Shale, Sand, Lls
3810	3950	140	Shale
3950	4018	68	Core No. 1, Cut & Rec 68 ft. 7 ft. ss, tite to low perm, poor to fair oil show 61 ft. sh, ls & dol, brn, fract development in 30%.
4018	4108	90	Core No. 2, Cut & Rec 90 ft. 68 ft. sh & dol-argil, brn, -oil sh,- & ft. w/fract 12 ft. ls-dol, silty, tite to low perm, 8 ft. w/fract, poor to fair oil show 10 ft. ss, low perm, 6 ft. w/fract, fair oil show
4108	4198	90	Core No. 3, Cut & Rec 90 ft. 3 ft. ss, tite, no to poor oil show 18 ft. ss, low to fair perm, no to poor oil show

FROM— TO— TOTAL FEET (OVER) FORMATION 16-43094-3

FORMATION RECORD—Continued

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
			Core No. 3, (Cont'd)
			18 ft. ss, fair to good perm, good oil show based on Core Analysis & stain in cores. Stain is an unusual type & 16 ft. may be wet
			9 ft. siltst, tite, NSOF
			42 ft. sh, gnw & brn w intbds of ls & dol
4198	4275	77	Core No. 4, Cut & Rec 77 ft.
			11 ft. ss, fair to good perm oil in core but may be wet
			16 ft. ss, fair to good perm, no to poor oil show
			11 ft. ss, tite to low perm, no to poor oil show
			5 ft. siltst, tite
			34 ft. sh, grn, brn, in part silty & sndy
4275	4365	90	Core No. 5, Cut & Rec 90 ft.
			24 ft. sh, grn, gr & siltst
			10 ft. ss, tite, NSOF
			2 ft. cong, tite to fair perm, poor oil show
			53 ft. ss, low to good perm, no to poor oil show, wet
4365	4383	18	Shale
4383	4407	24	Core No. 6, Cut & Rec 24 ft.
			19 ft. sh, siltstn & ss-shy, gr grn, tite in thin beds
			5 ft. ss, tite to fair perm, no to very poor oil show
4407	4434	27	Core No. 7, Cut & Rec 27 ft.
			10 ft. ss, good perm, tr oil stn to NSOF
			3 ft. ss, good perm
			5 ft. ss, tite to low perm, wet
			9 ft. siltst & sndy, tite to low perm & sh grn & olive brn
4434	4494	60	Core No. 8, Cut & rec 60
			5 ft. ss, good perm, even stn, musty odor, questionably wet
			5 ft. ss, good perm, patchy brn stn, musty odor, questionably wet
			3 ft. ss, fair to good perm, questionable gas show
			10 ft. ss, good perm, wet
			17 ft. ss, tite to low perm, wet
			20 ft. siltst & sh, grn
4494	4584	90	Core No. 9, Cut & Rec 90 ft.
			31 ft. ss, fair to good perm, NSOF, wet
			11 ft. ss, fair to good perm, scatt drops of oil, wet
			23 ft. ss, tite to low perm, NSOF
			25 ft. sh gra, siltst & ss in thin intbds
4584	4674	90	Core No. 10, Cut 90 ft. & Rec 88 ft.
			12 ft. ss, tite to low perm, patchy togood oil show of live oil stn, fluor & odor
			13 ft. ss, fair to good perm, tr to no stn, fair cut, musty odor, wet
			21 ft. ss, tite to low perm, v ratchy show

4584	4674	90	ss, sh grn, siltst & ss in thin intbds

Core No. 10, Cut 90 ft. & Rec 88 ft.

12 ft. ss, tite to low perm, patchy to good oil show or live oil stn, fluor & odor

13 ft. ss, fair to good perm, tr to no stn, fair cut, musty odor, wet

21 ft. ss, tite to low perm, v patchy show to NSOF

5 ft. Coq-est, patchy oil show to NSOF

37 ft. sh, grn & siltst w little ss, tite, in thin intbds

4674	4762	88	Core No. 11, Cut & Rec 88 ft.

16—43094-2 U. S. GOVERNMENT PRINTING OFFICE

HISTORY OF OIL OR GAS WELL

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

This well was spudded 9-11-59. A 13 3/4" hole was drilled to 450', 10 3/4" csg was set at 435.35 and cemented w/370 sacks regular cement. A 9" hole was drilled to 3950'. A total of 30 cores were taken from 3950 - 6256. Ran 139 jts of 7" csg and landed @ 5990.16 and cemented w/400 sacks cement.

The interval 5136-5140 was perforated with 4 bullets per foot and squeezed w/68 sks cement to a final press of 2000 psi.

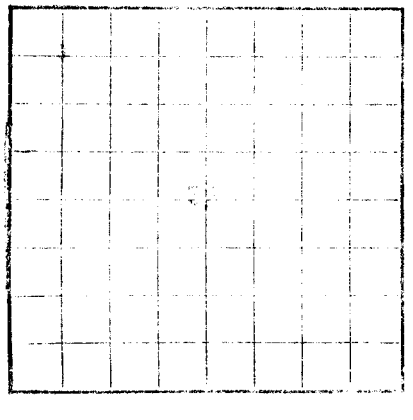
Perforated for production from 5117-5129, 5076-5082, 5084-5091, 5095-5103, 5620-5624 & 5864-5871 with 3 bullets and 3 jets per foot.

The interval 5117-5129 was squeezed w/50 bbls diesel oil mixed w/56 gal. control flow followed by 55 bbls BF #5. This interval was also sand oil squeezed with 20 bbls BF #5, 10 bbls Rangely crude, 2000 gal. BF #5 containing 1½# sand per gallon, 10 bbls Rangely crude & displaced tubing w/16 bbls BF #5. The press. increased to 4000 psi & 1200# of sand had to be reversed out.

The intervals 5076-5082, 5084-5091, 5095-5103 were sand oil squeezed w/30 bbls BF #5, 20 bbls crude, 3000 gal. BF #5 containing 1½# sand per gallon, 20 bbls Rangely crude and displaced tubing w/30 bbls BF #5.

Ran production string 2½" EUE 6.5#, J-55 tubing landed @ 5035.99'.

LOCATE WELL CORRECTLY



LOG OF OIL OR GAS WELL

GEOLOGICAL SURVEY

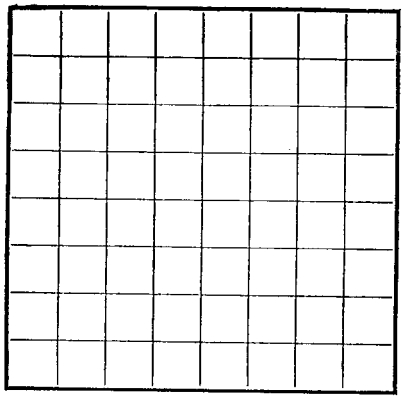
DEPARTMENT OF THE INTERIOR

UNITED STATES

FORM 9-330

13

Form OGCC-3



LOCATE WELL CORRECTLY

STATE OF UTAH

OIL & GAS CONSERVATION COMMISSION

State Capitol Building
Salt Lake City 14, Utah

To be kept Confidential until _____
(Not to exceed 4 months after filing date)

LOG OF OIL OR GAS WELL

Operating Company CALIFORNIA COMPANY Address P. O. Box 455, Vernal, Utah

Lease or Tract RED WASH UNIT Field RED WASH State Utah

Well No. 39 Sec. 24 T. 7 S R. 22E Meridian slbm County Uintah

Location 660 ft. {N./S.} of S Line and 710 ft. {E./W.} of W Line of Section 24 Elevation 5425
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed Gray Merry?

Date January 26, 1956 Title Area Sup't

The summary on this page is for the condition of the well at above date.

Commenced drilling 9-11, 19 55 Finished drilling 11-22, 19 55

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 5117 to 5129 No. 4, from 5095 to 5103

No. 2, from 5076 to 5082 No. 5, from 5620 to 5624

No. 3, from 5084 to 5091 No. 6, from 5864 to 5871

IMPORTANT WATER SANDS

No. 1, from _____ to _____ No. 3, from _____ to _____

No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated From—	Perforated To—	Purpose
10 3/4	40.5	8	Rep.	419.75	HOWCO				
7	23	8	CF & I	5975.46	Baker		5136	5140	Squeeze
							5076	5082	Production
							5084	5091	"
							5095	5103	"
							5117	5129	"
							5620	5624	"
							5864	5891	"

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
10 3/4	435.35	170	HOWCO		
7	5990.16	400	HOWCO		

MARK

FOLD

PLUGS AND ADAPTERS

Heaving plug—Material ---------- Length ---------- Depth set ----------

Adapters—Material ---------- Size ----------

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from 0 feet to 6256 feet, and from ---------- feet to ---------- feet

Cable tools were used from ---------- feet to ---------- feet, and from ---------- feet to ---------- feet

DATES

12-29, 19 55 Put to producing 12-23, 19 55

The production for ~~the first 24 hours~~ was 181 barrels of fluid of which 33 % was oil; 55 % emulsion; 67 % water; and ---- % sediment. Gravity, °Bé. API 26.0

If gas well, cu. ft. per 24 hours ---------- Gallons gasoline per 1,000 cu. ft. of gas ----------

Rock pressure, lbs. per sq. in. ----------

EMPLOYEES

D. R. Wells, Driller C. Sweatfield, Driller

A. R. Pierce, Driller ----------, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	2140	2140	Shale
2140	2210	70	Sh & Lls
2210	2440	230	Sh & Sand
2440	2660	220	Shale
2660	2685	25	Sand & Shale
2685	2900	215	Shale & Sand
2900	3430	530	Shale, Lls, Sand
3430	3710	280	Sand & Shale
3710	3810	100	Shale, Sand, Lls
2810	3950	140	Shale
3950	4018	68	Core No. 1, Cut & Rec 68' 7 ft. ss, tite to low perm, poor to fair oil show 61 ft. sh, ls & dol, brn, fract development in 30%
4018	4108	90	Core No. 2, Cut & Rec. 90' 68 ft. sh & dol-argil, brn, oil sh, 4' w/fract 12 ft. ls-dol, silty, tite to low perm, 8' w/ fract, poor to fair oil show 10 ft. ss, low perm, 6' w/fract, fair oil show Core No. 3, Cut & rec. 90' 3 ft. ss, tite, no to poor oil show 18 ft. ss, low to fair perm, no to poor oil show 18 ft. ss, fair to good perm, good oil show based on Core Analysis & stain in cores.

[OVER]

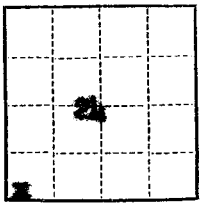
(continued)

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
			Stain is an unusual type & 16 ft. may be wet. 9 ft. siltst, tite, NSOF 42 ft. sh, grn & brn w intbds of ls & dol
4198	4275	77	Core No. 4, Cut & Rec. 77 ft. 11 ft. ss, fair to good perm oil in core but may be wet 16 ft. ss, fair to good perm, no to poor oil show 11 ft. ss, tite to low perm, no to poor oil show 5 ft. sltst, tite 34 ft. sh, grn, brn, in part silty & sndy
4275	4365	90	Core No. 5, Cut & Rec. 90 ft. 24 ft. sh, grn, gr & siltst 10 ft. ss, tite, NSOF 2 ft. Cong, tite to fair perm, poor oil show 53 ft. ss, low to good perm, no to poor oil show, wet
4365	4383	18	Shale
4383	4407	24	Core No. 6, Cut & Rec. 24 ft. 19 ft. sh, siltstn & ss-shy, gr grn, tite in thin beds 5 ft. ss, tite to fair perm, no to very poor oil show
4407	4434	27	Core No. 7, Cut & Rec. 27 ft. 10 ft. ss, good perm, tr oil stn to NSOF 3 ft ss, good perm 5 ft. ss, tite to low perm, wet 9 ft. sitlst & sndy, tite to low perm & sh grn & olive brn

Budget Bureau 42-R358.3.
Approval expires 12-31-55.

Form 9-331a
(Feb. 1951)



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake City
Lease No. U-0561
Unit Red Wash

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL		Subsequent Report of Completion	X

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Vernal, Utah January 26, 1956

Well No. 39 is located 660 ft. from {N/S} 1320 line and 710 ft. from {E/W} 1980 line of sec. 24

SW SE 24 (¼ Sec. and Sec. No.) T 7 S (Twp.) R 22 E (Range) SLBM (Meridian)

Red Wash (Field) Uintah (County or Subdivision) Utah (State or Territory)

The elevation of the derrick floor above sea level is 5127 ft. K.B.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Ran 139 jts 7" O.D., 23#, J-55 csg lt @ 5990.36' & cemented with 400 sacks cement. Ran G.R. Log from 5908-6000. Perforated 5136-5140 w/4 bullets per foot. Set cement retainer @ 5116. Squeezed perfs 5136-40 w/250 gal. MCA, followed by 3 bbls. water & 100 sks sls set out. Squeezed 68 sks, reversed out 32 sks. Max press. 2000 psi. Final press. 2800 psi. Drld out retainer & perforated 5117-29 w/3 bullets & 3 jets per foot. Set Lane Wells pkr at 5075 and swab tested perfs 5117-29. Squeezed perfs 5117-29 w/50 bbls. Diesel oil mixed w/56 gal. Control flow followed by 55 bbls. Diesel. Perforated from 5076-82, 5088-91, 5095-5103, 5620-24 and 5861-71 w/3 bullets & 3 jets per foot. Sand oil squeezed the interval 5117-29 w/20 bbls. BJ #5, 10 bbls. Rangely crude, 2000 gal. BJ #5 containing 1½# sand per gal., 10 bbls Rangely crude & 16 bbls BJ #5 when press increased to 4000 psi. Reversed out approximately 1200# sand.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company The California Company

Address P. O. Box 455

Vernal, Utah

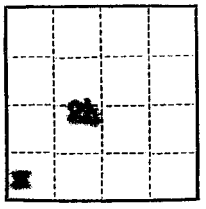
By [signature]

Title Area Supt.

U. S. GOVERNMENT PRINTING OFFICE 16—8437-5

Budget Bureau 42-R358.3.
Approval expires 12-31-55.

Form 9-331a
(Feb. 1951)



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake City
Lease No. S-0562
Unit Red Wash

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL		Subsequent Report of Completion (Cont'd)	X

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Vernal, Utah January 26, 1956

Well No. 39 is located 660 ft. from {N/S} line and 710 ft. from {E/W} line of sec. 24

SW SW 24 (¼ Sec. and Sec. No.) T 7 S (Twp.) R 22 E (Range) SLM (Meridian)

Red Wash (Field) Uintah (County or Subdivision) Utah (State or Territory)

The elevation of the derrick floor above sea level is 5327 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

Squeezed intervals 5076-82, 5084-91, & 5095-5103 with 30 bbls BJ #5, 20 bbls Rangely crude, 3000 gal. BJ #5 containing 1# sand per gallon, 20 bbls Rangely crude & displaced tbg w/30 bbls BJ #5.

Ran 161 jts 2⅜" EUE tbg set @ 5035.99.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company The California Company

Address P. O. Box 455

Vernal, Utah

By [signature]

Title Area Supt.

U. S. GOVERNMENT PRINTING OFFICE 16—8437-5

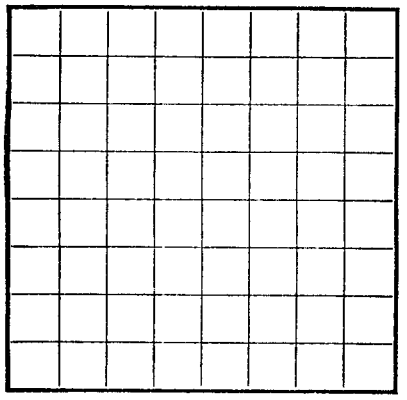
Budget Bureau No. 42-R-355.3.
Approval expires 12-31-55.

Form 9-330

U. S. LAND OFFICE .....

SERIAL NUMBER .....

LEASE OR PERMIT TO PROSPECT .....



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company ..... Address .....

Lessor or Tract ..... Field ..... State .....

Well No. ..... Sec. ..... T. ..... R. ..... Meridian ..... County .....

Location ..... ft. {N. / S.} of ..... Line and ..... ft. {E. / W.} of ..... Line of ..... Elevation .....
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed .....

Date ..... Title .....

The summary on this page is for the condition of the well at above date.

Commenced drilling ....., 19..... Finished drilling ....., 19.....

OIL OR GAS SANDS OR ZONES

(*Denote gas by G*)

No. 1, from ..... to ..... No. 4, from ..... to .....

No. 2, from ..... to ..... No. 5, from ..... to .....

No. 3, from ..... to ..... No. 6, from ..... to .....

IMPORTANT WATER SANDS

No. 1, from ..... to ..... No. 3, from ..... to .....

No. 2, from ..... to ..... No. 4, from ..... to .....

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used

PLUGS AND ADAPTERS

Heaving plug—Material ..... Length ..... Depth set .....

Adapters—Material ..... Size .....

SHOOTING RECORD

FOLD | MARK

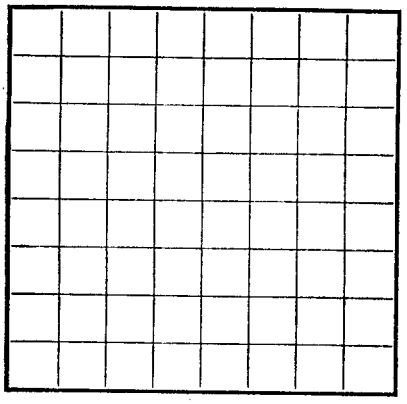
Form 9-330

Budget Bureau No. 42-R-355.3.
Approval expires 12-31-55.

U. S. LAND OFFICE _____

SERIAL NUMBER _____

LEASE OR PERMIT TO PROSPECT _____



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company _____ Address _____

Lessor or Tract _____ Field _____ State _____

Well No. _____ Sec. _____ T. _____ R. _____ Meridian _____ County _____

Location _____ ft. {N. / S.} of _____ Line and _____ ft. {E. / W.} of _____ Line of _____ Elevation _____
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Signed _____

Date _____ Title _____

The summary on this page is for the condition of the well at above date.

Commenced drilling _____, 19____ Finished drilling _____, 19____

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from _____ to _____ No. 4, from _____ to _____

No. 2, from _____ to _____ No. 5, from _____ to _____

No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____ No. 3, from _____ to _____

No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated From—	Perforated To—	Purpose

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____

Adapters—Material _____ Size _____

FOLD | MARK

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out

TOOLS USED

Rotary tools were used from ..... feet to ..... feet, and from ..... feet to ..... feet

Cable tools were used from ..... feet to ..... feet, and from ..... feet to ..... feet

DATES

....., 19..... Put to producing ....., 19.....

The production for the first 24 hours was ..... barrels of fluid of which .....% was oil; .....% emulsion; .....% water; and .....% sediment. Gravity, °Bé. .....

If gas well, cu. ft. per 24 hours ..... Gallons gasoline per 1,000 cu. ft. of gas .....

Rock pressure, lbs. per sq. in. .....

EMPLOYEES

....., Driller ....., Driller

....., Driller ....., Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
4674	4762	88	Core No. 11, Cut & Rec 88 ft. 24 ft. ss, fair to good perm, pred NSOF, musty odor, rare patch tk stn 23 ft. ss, tite to fair perm, pred NSOF, v rare patchy fluor & stn along partings 5 ft. ls, organic & sdy, tite, little patchy stn & fluor 36 ft. sh & siltst, grn & gy
4762	4852	90	Core No. 12, Cut & Rec 90 ft. 87 ft. ss, v perm, ns to patchy brn stn, musty odor, vns 6 ft. ss, tite, NSOF 1 ft. ss, fair perm, even brn stn, golden brn fluor, musty odor 3 ft. ls, organic, low to fair perm, patchy brite yel fluor, gassy odor 53 ft. sh & siltst
4852	4942	90	Core No. 13, Cut & Rec 90 ft. 14 ft. ss, v perm, v patchy to NSOF 34 ft. ss, tite to low perm, NSOF to v patchy show 42 ft. sh, grn brn & siltst
4942	5032	90	Core No. 14, Cut & Rec 90 ft. 19 ft. ss, most w/perm, NSOF to patchy stn & fluor, vns

FROM TO TOTAL FEET [OVER] FORMATION 16—43094-3

FORMATION RECORD—Continued

5527	5615	88	Core No. 22, Cut & Rec 88 ft. 48 ft. sh, grn brn, part silty & sndy, in part oil sh 9 ft. ss, tite to low perm, streaky lt stn & fluor, good pet odor to NSOF, no capacity
5615	5705	90	Core No. 23, Cut & Rec 90 ft. 31 ft. ss, tite, NSOF, sh, grn & brn, sltst in thin & complex intbds Some intbds w/low to fair perm, even patchy stn & fluor w/pet odor 14 ft. sh, grn & brn & sltst
5705	5795	90	Core No. 24, Cut & Rec 90 ft. 12 ft. ss, fair to good perm, even lt to med brn oil stn, golden yel fluor, good odor. 8 ft. ss & congl, tite to good perm, lt to med brn oil stn & golden yel fluor 14 ft. ss, argil, tite, note v patchy show 56 ft. sh, grn & grn brn, & sltst.
5795	5883	88	Core No. 25, Cut & Rec 88 ft. 19 ft. ss, fair to good perm, even brn oil stn, even yel gold to brn fluor, fair pet odor in most, slt musty odor in part. (3 sands) 53 ft. ss, tite to low perm, no to v patchy show in part, intbd w thin sh & sltst 16 ft. sh, grn & sltst.
5883	5973	90	Core No. 26, Cut & Rec 90 ft. 4½ ft. ss, fair to good perm, even flaky brn stn, golden brn fluor, faint to musty 8 ft. ss, low to fair perm, NSOF 32 ft. ss, tite, NSOF 3 ft. ls, oolitic & sst, tite, no to patchy show 39 ft. sh, grn & sltst

LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

FORM 9-330

LEASE OR PERMIT TO PROSPECT

SERIAL NUMBER

U. S. LAND OFFICE

16—43094-2 U. S. GOVERNMENT PRINTING OFFICE

HISTORY OF OIL OR GAS WELL

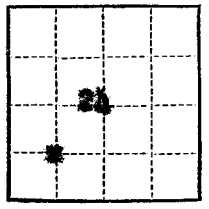
It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or bailing.

FORMATION RECORD—Continued

FROM—	TO—	TOTAL FEET	FORMATION
			Core No. 14, (Cont'd) 25 ft. sltst & sh, grn 46 ft. sh, grn & brn in part oil sh
5032	5094	62	Core No. 15, Cut 62 ft. Rec 60 ft. 7 ft. ss, w perm, pred MSOF 26 ft. sh, grn, sltst & ss in thin & complex intbds 14 ft. sh, grn to grn brn, in part oil sh 5 ft. ss, fairly tite, lt brn stn, yel fluor, good pet odor 8 ft. ss, fairly tite, no to lt stn, yel brn fluor, faint to fair pet odor
5094	5164	70	Core No. 16, Cut & Rec 70 ft. 19 ft. ss, fair to good perm, patchy to even lt stn, greasy odor, grading to drk stn, bottom 6 ft. possibly wet 17 ft. ss, fair to good perm, MSOF brn stn, 2 ft. ss, fair to good perm, even brn stn, faint pet odor 11 ft. ss, sltst & sh in thin intbds 21 ft. sh, grn in part silty
5164	5254	90	Core No. 17, Cut 90 ft. Rec 88 ft. 50 ft. ss, most w/perm, patchy stn & fluor to pred MSOF, musty odor 4 ft. ss, tite to fair perm, patchy to even dk oil stn, faint musty pet odor 34 ft. sh, grn, sltst & ss, tite.
5254	5259		Core No. 18, Cut & Rec 5 ft. 4 ft. ss, in part silty, tite to fair perm, MSOF 1 ft. sltstn & sh
5259	5349	90	Core No. 19, Cut & Rec 90 ft. 28 ft. ss, tite to low perm, MSOF 18 ft. ss, fair to good perm, MSOF 1 ft. ss, good perm, patchy to lam stn, musty odor 2 ft. ss, tite to low perm, lam of stn 10 ft. coq-cst, tite, MSOF 31 ft. sltst, sh, grn & ss, tite in thin int intbds
5349	5437	88	Core No. 20, Cut & Rec 88 ft. 11 ft. ss, pred tite, stg, MSOF 3 ft. ss, low perm, even stn, paler brn fluor, good pet odor 4 ft. coq-cst, tite, pred MSOF 35 ft. sltst, sh, grn, & ss, tite in thin & complex intbds 35 ft. sh, grn, grn brn, in part silty, part oil sh with dol beds
5437	5527	90	Core No. 21, Cut & Rec 90 ft. 37 ft. sh, grn & brn, in part silty, in part oil sh 19 ft. sltst, sh & ss, tite, in very thin intbds 20 ft. ss, mostly tite, MSOF 6 ft. coq, tite, no stn or odor 8 ft. dol, cryptoxln to frag, no stn or odor
5527	5615	88	Core No. 22, Cut & Rec 88 ft. 48 ft. sh, grn brn, part silty & sandy, in

Form 9-331a
(Feb. 1951)

Budget Bureau 42-R358.3.
Approval expires 12-31-55.



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake City
Lease No. 3-0561
Unit East Bench

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL			
Notice of Intention to Perforate	X		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Vernal, Utah April 3, 1956

Well No. 32 is located 660 ft. from [N] [S] line and 710 ft. from [E] [W] line of sec. 24

SW SW 24 (¼ Sec. and Sec. No.) T 7 S (Twp.) R 22 E (Range) SLBM (Meridian)

East Bench (Field) Uintah (County or Subdivision) Utah (State or Territory)

The elevation of the derrick floor above sea level is 5427 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

It is intended to selectively swab test the following perforated intervals to evaluate them as to the relative amounts of water produced & eliminate excess water production.

1. 5600 - 5624
2. 5727 - 5729
3. 5876 - 5882, 5891 - 5894, 5895 - 5903
4. 5964 - 5971

It is proposed that the interval or intervals producing the bulk of the water be squeeze cemented.

After evaluating the swab results, it will be determined whether further stimulative work such as a sand oil squeeze or control flow treatment is necessary.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company The California Company

Address P. O. Box 455

Vernal, Utah

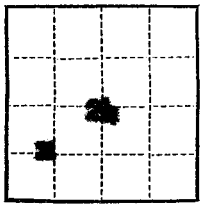
By [signature]

Title Area Supt.

U. S. GOVERNMENT PRINTING OFFICE 16—8437-5

Budget Bureau 42-R358.3.
Approval expires 12-31-55.

Form 9-331a
(Feb. 1951)



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake City
Lease No. U-0561
Unit Red Wash

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	X
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL			

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Vernal, Utah Sep 7, 1956

Well No. 39 is located 660 ft. from {S} line and 710 ft. from {W} line of sec. 24

SW SW 24 (¼ Sec. and Sec. No.) | T 7 S (Twp.) | R 22 E (Range) | SLBM (Meridian)

Red Wash (Field) | Uintah (County or Subdivision) | Utah (State or Territory)

The elevation of the derrick floor above sea level is 5127 ft. K.B.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

The zones 5117-5129, 5076-5082, 5084-5091 & 5095-5103 were squeeze cemented in four stages to 2400 psi with 235 sks reg cement to shut off excessive water production. After 24 hrs. W.O.C. the zones 5076-5082, 5084-5091 & 5095-5103 were reperforated with 3 bullets & 3 jets per foot. Treated perforations 5076-5103 with 150 gal. Control-Flo mixed with 150 gal. Sunnyside crude. Waited 18 hrs. & swab tested & zone was making no fluid. Pumped 500 gal. Hower 15% MCA in formation. Waited one hour & sand oil squeezed zone 5076-5103 with 3000 gal. RP #5 containing 45000# 20-40 Ottawa sand # 5.8 BPM & 3400 psi. Ran tbg & pump and placed well on production.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company The California Company

Address P. O. Box 455

Vernal, Utah

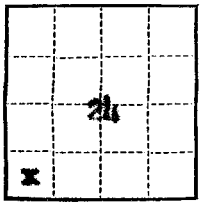
By [signature]

Title Area Supt's.

U. S. GOVERNMENT PRINTING OFFICE 16—8437-5

Budget Bureau 42-R358.3.
Approval expires 12-31-55.

Form 9-331a
(Feb. 1951)



(SUBMIT IN TRIPLICATE)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

Land Office Salt Lake City
Lease No. U-0561
Unit Red Wash

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL		SUBSEQUENT REPORT OF WATER SHUT-OFF	
NOTICE OF INTENTION TO CHANGE PLANS		SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING	
NOTICE OF INTENTION TO TEST WATER SHUT-OFF		SUBSEQUENT REPORT OF ALTERING CASING	
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL		SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR	
NOTICE OF INTENTION TO SHOOT OR ACIDIZE		SUBSEQUENT REPORT OF ABANDONMENT	
NOTICE OF INTENTION TO PULL OR ALTER CASING		SUPPLEMENTARY WELL HISTORY	
NOTICE OF INTENTION TO ABANDON WELL			
Notice of Intention to Sand Oil Squeeze	X		

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Vernal, Utah February 28, 1957

Well No. 39 is located 660 ft. from {N/S} line and 710 ft. from {E/W} line of sec. 24

SE SW 24 (¼ Sec. and Sec. No.) | T 8 S (Twp.) | R 22 E (Range) | SLB&M (Meridian)

Red Wash (Field) | Uintah (County or Subdivision) | Utah (State or Territory)

The elevation of the derrick floor above sea level is 5427 ft. K.B.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

It is proposed to Dowdenhead sand oil squeeze the perforations from 5076 - 5371 w/8800 gallons of sand oil. Sand oil mix to be 1½# of 20-40 mesh Ottawa sand per gallon of BF #5.

There will be no change in the tubing string.

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Standard Oil Company of California, Western Operations, Inc.

Address P. O. Box 455

Vernal, Utah

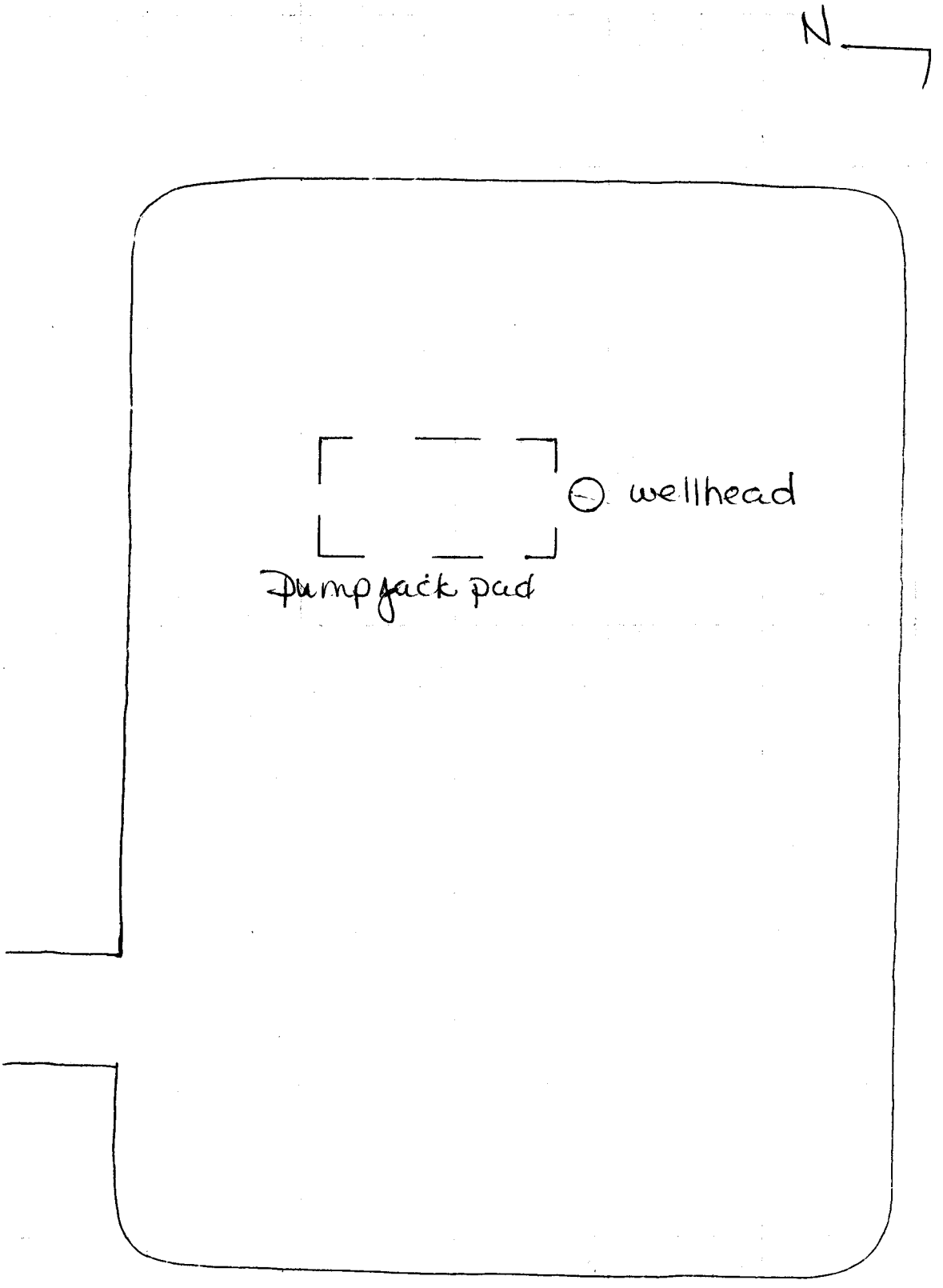
By J. T. Crocker

Title District Superintendent

U. S. GOVERNMENT PRINTING OFFICE 16—8437-5

15,166

RWU 39 Sec 24, T7S, R22E KBuby 5/8/89



Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

5. Lease Designation and Serial No.
U - 5061

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE

7. If Unit or CA, Agreement Designation
RED WASH

1. Type of Well
[X] Oil Well [ ] Gas Well [ ] Other

8. Well Name and No.
39 (14-24A)

2. Name of Operator
CHEVRON U.S.A. PRODUCTION CO.

9. API Well No.
43-047-15166

3. Address and Telephone No.
P.O. BOX 599, DENVER, CO. 80201 (303) 930-3691

10. Field and Pool, or Exploratory Area
RED WASH - GRN. RIVER

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
660 FSL, 710 FWL, SEC. 24, T7S, R22E

11. County or Parish, State
UINTAH, UTAH

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
[ ] Notice of Intent	[ ] Abandonment	[ ] Change of Plans
[X] Subsequent Report	[ ] Recompletion	[ ] New Construction
[ ] Final Abandonment Notice	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
	[ ] Altering Casing	[ ] Conversion to Injection
	[X] Other STATUS	[ ] Dispose Water

(Note) Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

THIS WELL IS SHUT IN WHILE UPGRADING WELL TEST FACILITIES. WE WILL RE-EVALUATE STATUS AFTER WELL TEST FACILITIES UPGRADES HAVE BEEN COMPLETED

RECEIVED
APR 15 1992
DIVISION OF
OIL GAS & MINING

14. I hereby certify that the foregoing is true and correct
Signed J.T. Conley Title PERMIT SPECIALIST Date 4/6/92

(This space for Federal or State office use)

Approved by: _____ Title _____ Date _____
Conditions of approval, if any:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements o representations as to any matter within its jurisdiction.

Chevron U.S.A. Inc.
P.O. Box 455, Vernal, UT 84078 • Phone (801) 789-2442

FEBRUARY 15, 1993

**ANNUAL REPORT OF
SHUT-IN WELLS
WONSITS VALLEY STATE/FEDERAL UNIT
UINTAH COUNTY, UTAH**

**BUREAU OF LAND MANAGEMENT
170 SOUTH 500 EAST
VERNAL, UT 84078**

GENTLEMEN:

Enclosed, please find the annual report of shut-in wells in Red Wash Unit. If you have any questions, please call the above address.

Sincerely,

**J.T. CONLEY
AREA OPERATIONS SUPERVISOR**

sdm
Enclosures

cc: State of Utah
Department of Natural Resources
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

Chevron U.S.A. Inc.
P.O. Box 455, Vernal, UT 84078 • Phone (801) 789-2442

FEBRUARY 15, 1993

ANNUAL REPORT OF
SHUT-IN WELLS
RED WASH UNIT
UINTAH COUNTY, UTAH

BUREAU OF LAND MANAGEMENT
170 SOUTH 500 EAST
VERNAL, UT 84078

GENTLEMEN:

Enclosed, please find the annual report of shut-in wells in Red Wash Unit. If you have any questions, please call the above address.

Sincerely,

J.T. Conley

J.T. CONLEY
AREA OPERATIONS SUPERVISOR

sdm
Enclosures

cc: State of Utah
Department of Natural Resources
Division of Oil, Gas and Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, UT 84180-1203

Buttram Energies, Inc.
6303 Waterford Boulevard, Suite 220
Oklahoma City, OK 73116

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well
   [X] Oil Well [ ] Gas Well [ ] Other

2. Name of Operator
   Chevron U.S.A. Inc.

3. Address and Telephone No.
   P.O. Box 455, Vernal, Utah 84078 (801) 789-2442

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
   660 FSL, 710 FWL, SEC. 24, T7S, R22E

5. Lease Designation and Serial No.
   U-5061

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation
   Red Wash Unit

8. Well Name and No.
   RWU #39 (14-24A)

9. API Well No.
   43-047-15166

10. Field and Pool, or Exploratory Area
    Red Wash-Grn. River

11. County or Parish, State
    Uintah, Utah

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
[ ] Notice of Intent	[ ] Abandonment	[ ] Change of Plans
[X] Subsequent Report	[ ] Recompletion	[ ] New Construction
[ ] Final Abandonment Notice	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
	[ ] Altering Casing	[ ] Conversion to Injection
	[X] Other _____	[ ] Dispose Water

(Note) Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Well test facility upgrades were completed in 1992. We plan to re-evaluate this shut-in production well during 1993.

RECEIVED
FEB 18 1993
DIVISION OF
OIL GAS & MINING

14. I hereby certify that the foregoing is true and correct
Signed Diane Hough Title Oper. Assistant Date 02/10/93

(This space for Federal or State office use)

Approved by: _____ Title _____ Date _____
Conditions of approval, if any:

FVLAR8-5.BLM (JRL #2)

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
SEP

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir
Use "APPLICATION FOR PERMIT--" for such proposals

5. Lease Designation and Serial No.
U-5061

6. If Indian, Allottee or Tribe Name

SUBMIT IN TRIPLICATE

7. If Unit or CA, Agreement Designation
RED WASH UNIT

1. Type of Well
Oil Well [X] Gas Well [ ] Other [ ]

8. Well Name and No.
RWU #39 (14-24A)

2. Name of Operator
CHEVRON U.S.A. PRODUCTION COMPANY

9. API Well No.
43-047-15166

3. Address and Telephone No.
11002 EAST 17500 SOUTH, VERNAL, UT 84078-8526 (801) 781-4302

10. Field and Pool, or Exploratory Area
RED WASH-GRN. RIVER

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
660' FSL, 710' FWL, Sec. 24, T7S/R22E

11. County or Parish, State
UINTAH, UTAH

CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
[X] Notice of Intent	[ ] Abandonment	[ ] Change of Plans
	[ ] Recompletion	[ ] New Construction
[ ] Subsequent Report	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
[ ] Final Abandonment Notice	[ ] Altering Casing	[ ] Conversion to Injection
	[X] Other **Well Status**	[ ] Dispose Water

(Note) Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

TA approval is requested for this well, pending evaluation of continued oil production potential, gas recompletion potential or conversion to a secondary use.

14. I hereby certify that the foregoing is true and correct.
Signed Laura Nash Title **Operations Assistant** Date **08/25/94**

(This space for Federal or State office use)

Approved by: Title Date

Conditions of approval, if any

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

***See Instruction on Reverse Side**

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
SEP

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir
Use "APPLICATION FOR PERMIT--" for such proposals

SUBMIT IN TRIPLICATE

5. Lease Designation and Serial No.
U-5061

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation
RED WASH UNIT

1. Type of Well
Oil Well [X] Gas Well [ ] Other [ ]

8. Well Name and No.
RWU #39 (14-24A)

2. Name of Operator
CHEVRON U.S.A. PRODUCTION COMPANY

9. API Well No.
43-047-15166

3. Address and Telephone No.
11002 EAST 17500 SOUTH, VERNAL, UT 84078-8526 (801) 781-4302

10. Field and Pool, or Exploratory Area
RED WASH-GRN. RIVER

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
660' FSL, 710' FWL, Sec. 24, T7S/R22E

11. County or Parish, State
UINTAH, UTAH

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
[X] Notice of Intent	[ ] Abandonment	[ ] Change of Plans
	[ ] Recompletion	[ ] New Construction
[ ] Subsequent Report	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
[ ] Final Abandonment Notice	[ ] Altering Casing	[ ] Conversion to Injection
	[X] Other **Well Status**	[ ] Dispose Water

(Note) Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

TA approval is requested for this well, pending evaluation of continued oil production potential, gas recompletion potential or conversion to a secondary use.

14. I hereby certify that the foregoing is true and correct.
Signed Diane Mough Title **Operations Assistant** Date **08/25/94**

(This space for Federal or State office use)

Approved by: Title Date

Conditions of approval, if any

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

***See instruction on Reverse Side**

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
SEP 27 1995
DIV. OF OIL, GAS & MINING

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT--" for such proposals

5. Lease Designation and Serial No.
U-5061

6. If Indian, Allottee or Tribe Name
N/A

SUBMIT IN TRIPLICATE

7. If Unit or CA, Agreement Designation
RED WASH UNIT

1. Type of Well
[X] Oil Well [ ] Gas Well [ ] Other

8. Well Name and No.
RED WASH UNIT 39 (14-24A)

2. Name of Operator
CHEVRON U.S.A. PRODUCTION COMPANY

9. API Well No.
43-047-15166

3. Address and Telephone No.
11002 E. 17500 S. VERNAL, UT 84078-8526
Steve McPherson in Red Wash (801) 781-4310
or Gary Scott in Rangely, CO. (970) 675-3791

10. Field and Pool, or Exploratory Area
RED WASH - GREEN RIVER

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
660' FSL & 710' FWL (SW SW) SECTION 24, T7S, R22E,SLBM

11. County or Parish, State
UINTAH, UTAH

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
[X] Notice of Intent	[ ] Abandonment	[ ] Change of Plans
	[ ] Recompletion	[ ] New Construction
[ ] Subsequent Report	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
[ ] Final Abandonment Notice	[ ] Altering Casing	[ ] Conversion to Injection
	[ ] Other _____	[ ] Dispose Water

(Note) Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

WE ARE REQUESTING AN EXTENSION OF THE TEMPORARILY ABANDONED STATUS OF THIS WELL.

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

14. I hereby certify that the foregoing is true and correct.
Signed G.D. SCOTT G.D. Scott Title DRILLING TECHNICIAN Date September 26, 1995

(This space for Federal or State office use)

Approved by: _____ Title _____ Date _____

Conditions of approval, if any

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instruction on Reverse Side

Form 3160-5
(June 1990)

UNITED STATES
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Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir
Use "APPLICATION FOR PERMIT--" for such proposals

SUBMIT IN TRIPLICATE

5. Lease Designation and Serial No.
U-5061

6. If Indian, Allottee or Tribe Name
N/A

7. If Unit or CA, Agreement Designation
RED WASH UNIT

1. Type of Well
[X] Oil Well [ ] Gas Well [ ] Other

8. Well Name and No.
RED WASH UNIT 39 14-24A

2. Name of Operator
CHEVRON U.S.A. PRODUCTION COMPANY

9. API Well No.
43-047-15166

3. Address and Telephone No
11002 E. 17500 S. VERNAL, UT 84078-8526 **(801) 781-4300**

10. Field and Pool, or Exploratory Area
RED WASH - GREEN RIVER

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
660' FSL & 710' FWL (SW SW) SECTION 24, T7S, R22E, SLBM

11. County or Parish, State
UINTAH, UTAH

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
[X] Notice of Intent	[ ] Abandonment	[ ] Change of Plans
[ ] Subsequent Report	[ ] Recompletion	[ ] New Construction
[ ] Final Abandonment Notice	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
	[ ] Altering Casing	[ ] Conversion to Injection
	[X] Other **TA STATUS OF WELL**	[ ] Dispose Water

(Note) Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

CHEVRON IS REQUESTING A TA STATUS ON THE ABOVE WELL. WE WILL EVALUATE THIS WELL FOR FUTURE SECONDARY USE WITH OFFSET DRILLING.

RECEIVED
DEC 19 1997
DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct.
Signed D C Jarmer Title **COMPUTER SYSTEMS OPERATOR** Date **12/10/97**

(This space for Federal or State office use)

Approved by: Title Date

Conditions of approval, if any

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

***See instruction on Reverse Side**

Form-3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir
Use "APPLICATION FOR PERMIT--" for such proposals

SUBMIT IN TRIPLICATE

5. Lease Designation and Serial No.
U-5061

6. If Indian, Allottee or Tribe Name
N/A

7. If Unit or CA, Agreement Designation
RED WASH UNIT

1. Type of Well
[X] Oil Well [ ] Gas Well [ ] Other

8. Well Name and No.
RED WASH UNIT 39 14-24A

2. Name of Operator
CHEVRON U.S.A. PRODUCTION COMPANY

9. API Well No.
43-047-15166

3. Address and Telephone No
11002 E. 17500 S. VERNAL, UT 84078-8526 **(801) 781-4300**

10. Field and Pool, or Exploratory Area
RED WASH - GREEN RIVER

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
660' FSL & 710' FWL (SW SW) SECTION 24, T7S, R22E, SLBM

11. County or Parish, State
UINTAH, UTAH

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
[ ] Notice of Intent	[ ] Abandonment	[ ] Change of Plans
	[ ] Recompletion	[ ] New Construction
[X] Subsequent Report	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
[ ] Final Abandonment Notice	[ ] Altering Casing	[ ] Conversion to Injection
	[X] Other **TA STATUS FOR WELL**	[ ] Dispose Water

(Note) Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

WE REQUEST A TA STATUS APPROVAL FOR THIS WELL.

WE BELIEVE A RETURN TO PRODUCTION COULD BE JUSTIFIED IN THE FUTURE.

RECEIVED
MAR 22 1999
DIV. OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct.
Signed **D. C. BEAMAN** D C Beaman Title **COMPUTER SYSTEMS OPERATOR** Date **3/18/1999**

(This space for Federal or State office use)

Approved by: Title Date

Conditions of approval, if any

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

***See instruction on Reverse Side**

Division of Oil, Gas and Mining

OPERATOR CHANGE WORKSHEET

ROUTING		
1. GLH		4-KAS
2. CDW ✓		5-~~SJT~~
3. JLT		6-FILE

Enter date after each listed item is completed

X Change of Operator (Well Sold) — Designation of Agent

Operator Name Change (Only) — Merger

The operator of the well(s) listed below has changed, effective: **01-01-2000**

FROM: (Old Operator):	**TO:** (New Operator):
CHEVRON USA INC	SHENANDOAH ENERGY INC
Address: 11002 E. 17500 S.	Address: 11002 E. 17500 S.
VERNAL, UT 84078-8526	VERNAL, UT 84078
Phone: 1-(435)-781-4300	Phone: 1-(435)-781-4300
Account No. N0210	Account N4235

CA No. **Unit:** **RED WASH**

WELL(S)

NAME	API NO.	ENTITY NO.	SEC. TWN RNG	LEASE TYPE	WELL TYPE	WELL STATUS
RWU 39 (14-24A)	43-047-15166	5670	24-07S-22E	FEDERAL	OW	TA
RWU 35 (43-13B)	43-047-15162	5670	13-07S-23E	FEDERAL	OW	TA
RWU 36 (32-13B)	43-047-15163	5670	13-07S-23E	FEDERAL	GW	P
RWU 41 (34-13B)	43-047-15168	5670	13-07S-23E	FEDERAL	OW	P
RWU 33 (14-14B)	43-047-15160	5670	14-07S-23E	FEDERAL	GW	S
RWU 51 (12-16B)	43-047-15177	5670	16-07S-23E	STATE	OW	P
RWU 43 (12-17B)	43-047-15170	5670	17-07S-23E	FEDERAL	OW	P
RWU 52 (14-18B)	43-047-15178	5670	18-07S-23E	FEDERAL	OW	TA
RWU 4 (41-22B)	43-047-15137	5670	22-07S-23E	FEDERAL	OW	TA
RWU 38 (14-23B)	43-047-15165	5670	23-07S-23E	FEDERAL	OW	P
RWU 5 (41-23B)	43-047-15138	5670	23-07S-23E	FEDERAL	OW	P
RWU 50 (14-23A)	43-047-15176	5670	23-07S-22E	FEDERAL	OW	P
RWU 40 (21-24B)	43-047-15167	5670	24-07S-23E	FEDERAL	OW	TA
RWU 37 (41-25B)	43-047-15164	5670	25-07S-23E	FEDERAL	GW	PA
RWU 49 (12-29B)	43-047-15175	5670	29-07S-23E	FEDERAL	OW	TA
RWU 313	43-047-32630	5670	20-07S-24E	FEDERAL	GW	PA
RWU 46 (41-21C)	43-047-15173	5670	21-07S-24E	FEDERAL	GW	P
RWU 311	43-047-32628	5670	26-07S-24E	FEDERAL	OW	PA
RWU 314	43-047-32626	5670	29-07S-24E	FEDERAL	GW	PA
RWU 42 (21-29C)	43-047-15169	5670	29-07S-24E	FEDERAL	GW	P
RWU 44 (32-33C)	43-047-15171	5670	33-07S-24E	FEDERAL	GW	P
RWU 312	43-047-32595	5670	34-07S-24E	FEDERAL	GW	PA

OPERATOR CHANGES DOCUMENTATION

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 12-30-1999

2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 08-09-2000

3. The new company has been checked through the **Department of Commerce, Division of Corporations Database on:** 08-23-2000

4. Is the new operator registered in the State of Utah: YES Business Number: 224885

5. If **NO**, the operator was contacted contacted on: _____

6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the (merger, name change, or operator change for all wells listed on Federal or Indian leases on: 02/04/2000

7. **Federal and Indian Units:** The BLM or BIA has approved the successor of unit operator for wells listed on: 02/04/2000

8. **Federal and Indian Communization Agreements ("CA"):** The BLM or the BIA has approved the operator change for all wells listed involved in a CA on: N/A

9. **Underground Injection Control ("UIC") Pro** The Division has approved UIC Form 5, **Transfer of Authority to Inject,** for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: N/A

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database on:** 09/25/2000

2. Changes have been entered on the **Monthly Operator Change Spread Sheet on:** 09/25/2000

3. Bond information entered in RBDMS on: N/A

4. Fee wells attached to bond in RBDMS on: N/A

STATE BOND VERIFICATION:

1. State well(s) covered by Bond No.: 159261960

FEE WELLS - BOND VERIFICATION/LEASE INTEREST OWNER NOTIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed has furnished a bond: N/A

2. The **FORMER** operator has requested a release of liability from their bond on: N/A
   The Division sent response by letter on: N/A

3. (R649-2-10) The **FORMER** operator of the Fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on:

FILMING:

1. All attachments to this form have been **MICROFILMED** on: 03-09-01

FILING:

1. **ORIGINALS/COPIES** of all attachments pertaining to each individual well have been filled in each well file on: _____

COMMENTS:

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir
Use "APPLICATION FOR PERMIT--" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well
   Oil Well [ ] Gas Well [ ] Other [X] MULTIPLE WELLS SEE ATTACHED LIST
2. Name of Operator
   CHEVRON U.S.A. INC.
3. Address and Telephone No
   11002 E. 17500 S. VERNAL, UT 84078-8526 **(801) 781-4300**
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

5. Lease Designation and Serial No.
6. If Indian, Allottee or Tribe Name
   N/A
7. If Unit or CA, Agreement Designation
   RED WASH UNIT
   I-SEC NO 761
8. Well Name and No.
9. API Well No.
10. Field and Pool, or Exploratory Area
    RED WASH - GREEN RIVER
11. County or Parish, State
    UINTAH, UTAH

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
[ ] Notice of Intent	[ ] Abandonment	[ ] Change of Plans
	[ ] Recompletion	[ ] New Construction
[X] Subsequent Report	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
[ ] Final Abandonment Notice	[ ] Altering Casing	[ ] Conversion to Injection
	[X] Other **CHANGE OF OPERATOR**	[ ] Dispose Water

(Note) Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

As of January 1, 2000 Chevron U.S.A. INC. resigns as Operator of the Red Wash Unit.
The Unit Number is I-SEC NO 761 effective October 31, 1950.

The successor operator under the Unit Agreement will be
Shenandoah Energy Inc.
475 17th Street, Suite 1000
Denver, CO 80202

Agreed and accepted to this 29th day of December, 1999

Shenandoah Energy Inc.
By: Mitchell L. Solich
President

RECEIVED
DEC 30 1999
DIVISION OF OIL, GAS & MINING

14. I hereby certify that the foregoing is true and correct.
Signed **A. E. Wacker** A. E. Wacker Title **Assistant Secretary** Date **12/29/99**

(This space for Federal or State office use)

Approved by: Title Date

Conditions of approval, if any

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***See Instruction on Reverse Side**

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155

RECEIVED
FEB 07 2000
DIVISION OF
OIL, GAS AND MINING

IN REPLY REFER TO
UT-931

February 4, 2000

Shenandoah Energy Inc.
Attn: Rae Cusimano
475 17th Street, Suite 1000
Denver, Colorado 80202

Re: Red Wash Unit
Uintah County, Utah

Gentlemen:

On December 30, 1999, we received an indenture whereby Chevron U.S.A. Inc. resigned as Unit Operator and Shenandoah Energy Inc. was designated as Successor Unit Operator for the Red Wash Unit, Uintah County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective February 4, 2000. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the Red Wash Unit Agreement.

Your statewide (Utah) oil and gas bond No. 0969 will be used to cover all operations within the Red Wash Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks
Chief, Branch of Fluid Minerals

Enclosure

cc: Chevron U.S.A. Inc.

bcc: Field Manager - Vernal (w/enclosure)
Division of Oil, Gas & Mining
Minerals Adjudication Group U-932
File - Red Wash Unit (w/enclosure)
MMS - Data Management Division
Agr. Sec. Chron
Fluid Chron

UT931:TAThompson:tt:2/4/00

Well Status Report
Utah State Office
Bureau of Land Management

Lease	Api Number	Well Name	QTR	Section	Township	Range	Well Status	Operator
UTU0559	4304731581	293 (22-22A) RED WAS	SENW	22	T 7S	R22E	OSI	CHEVRON U S A INCORPORATED
UTU02148	4304731582	294 (24-18C) RED WAS	SESW	18	T 7S	R24E	PGW	CHEVRON U S A INCORPORATED
UTU081	4304731577	295 (11-22B) RED WAS	NWNW	22	T 7S	R23E	TA	CHEVRON U S A INCORPORATED
UTU0566	4304731578	296 (12-35B) RED WAS	SWNW	35	T 7S	R23E	POW	CHEVRON U S A INCORPORATED
UTU081	4304731579	297 (24-15B) RED WAS	SESW	15	T 7S	R23E	POW	CHEVRON U S A INCORPORATED
UTU0566	4304731679	298 (22-27B) RED WAS	SENW	27	T 7S	R23E	TA	CHEVRON U S A INCORPORATED
UTU0116	4304733018	299	SWNE	18	T 7S	R23E	POW	CHEVRON U S A INCORPORATED
UTU082	4304715136	3 (34-23B) RED WASH	SWSE	23	T 7S	R23E	POW	CHEVRON U S A INCORPORATED
UTU081	4304715157	30 (23-13B) RED WASH	NESW	13	T 7S	R23E	POW	CHEVRON U S A INCORPORATED
UTU081	4304731682	301 (43-15B) RED WAS	NESE	15	T 7S	R23E	TA	CHEVRON U S A INCORPORATED
UTU082	4304731683	302 (22-24B) RED WAS	SENW	24	T 7S	R23E	TA	CHEVRON U S A INCORPORATED
UTU0116	4304731819	303 (34-17B) RED WAS	SWSE	17	T 7S	R23E	POW	CHEVRON U S A INCORPORATED
UTU0830	4304732538	305	NENE	4	T 8S	R24E	PGW	CHEVRON U S A INCORPORATED
UTU093	4304732629	306	NESW	23	T 7S	R24E	POW	CHEVRON U S A INCORPORATED
~~STATE~~	~~4304732632~~	~~307~~	~~SWSW~~	~~16~~	~~T 7S~~	~~R24E~~	~~ABD~~	~~CHEVRON U S A INCORPORATED~~
~~UTSL071965~~	~~4304732627~~	~~308~~	~~SESW~~	~~28~~	~~T 7S~~	~~R24E~~	~~P+A~~	~~CHEVRON U S A INCORPORATED~~
UTU081	4304715158	31 (34-22B) RED WASH	SWSE	22	T 7S	R23E	POW	CHEVRON U S A INCORPORATED
~~UTSL071965~~	~~4304732628~~	~~311~~	~~NESW~~	~~26~~	~~T 7S~~	~~R24E~~	~~P+A~~	~~CHEVRON U S A INCORPORATED~~
~~UTSL071963~~	~~4304732595~~	~~312~~	~~SWNE~~	~~34~~	~~T 7S~~	~~R24E~~	~~ABD~~	~~CHEVRON U S A INCORPORATED~~
~~UTU02149~~	~~4304732630~~	~~313~~	~~NESW~~	~~20~~	~~T 7S~~	~~R24E~~	~~ABD~~	~~CHEVRON U S A INCORPORATED~~
~~UTSL071965~~	~~4304732626~~	~~314~~	~~SESW~~	~~29~~	~~T 7S~~	~~R24E~~	~~ABD~~	~~CHEVRON U S A INCORPORATED~~
UTU081	4304715160	33 (14-14B) RED WASH	SWSW	14	T 7S	R23E	TA	CHEVRON U S A INCORPORATED
UTU081	4304715161	34 (23-14B) RED WASH	NESW	14	T 7S	R23E	WIW	CHEVRON U S A INCORPORATED
UTU081	4304715162	35 (43-13B) RED WASH	NESE	13	T 7S	R23E	TA	CHEVRON U S A INCORPORATED
UTU081	4304715163	36 (32-13B) RED WASH	SWNE	13	T 7S	R23E	POW	CHEVRON U S A INCORPORATED
~~UTU0823~~	~~4304715164~~	~~37 (41-25B) RED WASH~~	~~NENE~~	~~25~~	~~T 7S~~	~~R23E~~	~~ABD~~	~~CHEVRON U S A INCORPORATED~~
UTU082	4304715165	38 (14-23B) RED WASH	SWSW	23	T 7S	R23E	POW	CHEVRON U S A INCORPORATED
UTU0561	4304715166	39 (14-24A) RED WASH	SWSW	24	T 7S	R22E	TA	CHEVRON U S A INCORPORATED
UTU081	4304715137	4 (41-22B) RED WASH	NENE	22	T 7S	R23E	TA	CHEVRON U S A INCORPORATED
UTU082	4304715167	40 (21-24B) RED WASH	NENW	24	T 7S	R23E	POW	CHEVRON U S A INCORPORATED
UTU081	4304715168	41 (34-13B) RED WASH	SWSE	13	T 7S	R23E	POW	CHEVRON U S A INCORPORATED
UTSL071965	4304715169	42 (21-29C) RED WASH	NENW	29	T 7S	R24E	PGW	CHEVRON U S A INCORPORATED
UTU0116	4304715170	43 (12-17B) RED WASH	SWNW	17	T 7S	R23E	POW	CHEVRON U S A INCORPORATED
UTU0829	4304715171	44 (32-33C) RED WASH	SWNE	33	T 7S	R24E	PGW	CHEVRON U S A INCORPORATED
UTU02030	4304715172	45 (23-30B) RED WASH	NESW	30	T 7S	R23E	TA	CHEVRON U S A INCORPORATED
UTU080	4304715173	46 (41-21C) RED WASH	NENE	21	T 7S	R24E	PGW	CHEVRON U S A INCORPORATED
UTU02030	4304715174	48 (32-19B) RED WASH	SWNE	19	T 7S	R23E	TA	CHEVRON U S A INCORPORATED
UTU02025	4304715175	49 (12-29B) RED WASH	SWNW	29	T 7S	R23E	TA	CHEVRON U S A INCORPORATED
UTU082	4304715138	5 (41-23B) RED WASH	NENE	23	T 7S	R23E	POW	CHEVRON U S A INCORPORATED
UTU0559	4304715176	50 (14-23A) RED WASH	SWSW	23	T 7S	R22E	POW	CHEVRON U S A INCORPORATED
STATE	4304715177	51 (12-16B) RED WASH	SWNW	16	T 7S	R23E	POW	CHEVRON U S A INCORPORATED
UTU0116	4304715178	52 (14-18B) RED WASH	SWSW	18	T 7S	R23E	TA	CHEVRON U S A INCORPORATED
UTU0561	4304715179	53 (41-25A) RED WASH	NENE	25	T 7S	R22E	POW	CHEVRON U S A INCORPORATED
~~UTU0559~~	~~4304715181~~	~~55 (41-21A) RED WASH~~	~~NENE~~	~~21~~	~~T 7S~~	~~R22E~~	~~P+A~~	~~CHEVRON U S A INCORPORATED~~
UTU02030	4304715182	56 (41-28B) RED WASH	NENE	28	T 7S	R23E	WIW	CHEVRON U S A INCORPORATED
UTU02148	4304715183	57 (12-18C) RED WASH	SWNW	18	T 7S	R24E	POW	CHEVRON U S A INCORPORATED
UTU082	4304716477	59 (12-24B) RED WASH	SWNW	24	T 7S	R23E	WIW	CHEVRON U S A INCORPORATED
UTU0567	4304716482	6 (41-21B) RED WASH	NENE	21	T 7S	R23E	WIW	CHEVRON U S A INCORPORATED
UTU02025	4304715184	60 (43-30B) RED WASH	NESE	30	T 7S	R23E	TA	CHEVRON U S A INCORPORATED

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

5. Lease Designation and Serial No.

6. If Indian, Allottee or Tribe Name
N/A

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT--" for such proposals

SUBMIT IN TRIPLICATE

7. If Unit or CA, Agreement Designation
RED WASH UNIT

1. Type of Well
[X] Oil Well [ ] Gas Well [ ] Other

8. Well Name and No.
RED WASH UNIT 39 14-24A

2. Name of Operator
SHENANDOAH ENERGY, INC

9. API Well No.
43-047-15166

3. Address and Telephone No
11002 E. 17500 S. VERNAL, UT 84078-8526 (801) 781-4300

10. Field and Pool, or Exploratory Area
RED WASH - GREEN RIVER

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
660' FSL & 710' FWL (SW SW) SECTION 24, T7S, R22E, SLBM

11. County or Parish, State
UINTAH, UTAH

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
[ ] Notice of Intent	[ ] Abandonment	[ ] Change of Plans
[X] Subsequent Report	[ ] Recompletion	[ ] New Construction
[ ] Final Abandonment Notice	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
	[ ] Altering Casing	[ ] Conversion to Injection
	[X] Other TA STATUS FOR WELL	[ ] Dispose Water

(Note) Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

WE REQUEST A TA STATUS APPROVAL FOR THIS WELL.

WE BELIEVE A RETURN TO PRODUCTION COULD BE JUSTIFIED IN THE FUTURE.

RECEIVED
APR 17 2000
DIVISION OF
OIL, GAS AND MINING

COPY SENT TO OPERATOR
Date: 4-20-00
Initials: CHD

14. I hereby certify that the foregoing is true and correct.
Signed D. C. BEAMAN Title OFFICE MANAGER Date 04/13/00

(This space for Federal or State office use)

Approved by: Title Date

Conditions of approval, if any

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See instruction on Reverse Side

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir
Use "APPLICATION FOR PERMIT--" for such proposals

SUBMIT IN TRIPLICATE

5. Lease Designation and Serial No.
~~U-5061~~
U-0256

6. If Indian, Allottee or Tribe Name
N/A

7. If Unit or CA, Agreement Designation
Red Wash Unit

1. Type of Well
Oil Well ☐ Gas Well ☐ Other ☐

8. Well Name and No.
RWU #39 (14-24A)

2. Name of Operator
SHENANDOAH ENERGY INC.

9. API Well No.
43-047-15166

3. Address and Telephone No.
11002 E. 17500 S. VERNAL, UT 84078-8526
Contact: jpennell@shenandoahenergy.com
435-790-5469 Fax 435-828-5044

10. Field and Pool, or Exploratory Area
Red Wash

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
660' FSL, 710' FWL, SWSW Sec. 24, T7S, R22E SLB&M

11. County or Parish, State
UINTAH COUNTY, UTAH

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
[X] Notice of Intent	[X] Abandonment	☐ Change of Plans
☐ Subsequent Report	☐ Recompletion	☐ New Construction
☐ Final Abandonment Notice	☐ Plugging Back	☐ Non-Routine Fracturing
	☐ Casing Repair	☐ Water Shut-Off
	☐ Altering Casing	☐ Conversion to Injection
	☐ Other _____	☐ Dispose Water

(Note) Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

Please be advised that we intend to plug and abandon this well as follows:

1) **MIRU service rig. NDWH and NU BOP's.**
2) **Set cement retainer @ ~5850'. Pump 50 sks thru retainer and spot 50' plug on top of retainer.**
3) **Set cement retainer @ ~5000'. Pump 50 sks thru retainer and spot 50' plug on top of retainer.**
4) **Perforate casing @ ~2500'. Set retainer @ ~2475'. Pump 50 sks thru retainer and spot 50' plug on top of retainer.**
5) **Perforate casing @ ~60' and establish circulation out annulus.**
6) **Circulate cement to surface leaving 7" casing and annulus full to surface.**
7) **Ensure hole is standing full and fill as needed to surface. Cut off casing head and install dry hole marker as required by BLM with a BLM representative as a witness. Restore location and rehab.**

RECEIVED
SEP 24 2001
DIVISION OF OIL, GAS AND MINING

3 - BLM, 2- Utah OG&M, 1 – Denver, 1 – file Word file-server

COPY SENT TO OPERATOR
Date: 10-11-01
Initials: CHD

14. I hereby certify that the foregoing is true and correct.
Signed Jim Simonton jsp Title **Completion Supervisor** Date **8-30-01**

(This space for Federal or State office use)

Approved by: Title Date

Conditions of approval, if any

Accepted by the Utah Division of Oil, Gas and Mining

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

Date: 10/11/01
By: Dustin Doucet

*Federal Approval Of This Action Is Necessary

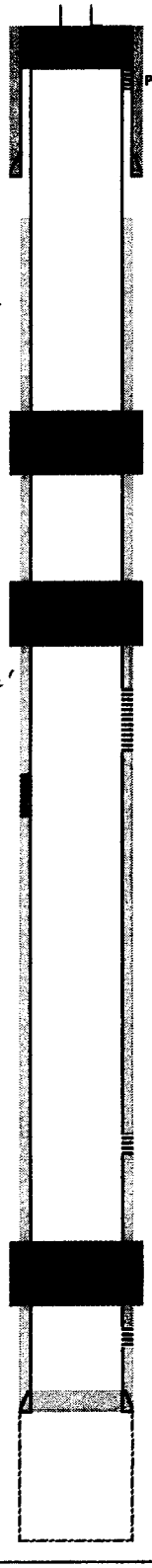
Well: RWU #14-24A (# 39) | TD: 6256' | PBTD: 5896' | Current Well Status: Shut-In Oil Well

Location:
SW¼SW¼ S24-T7S-R22E
Uintah County, Utah

API# 43-047-15166

Reason for Pull/Workover:
Abandon Well

Wellbore Schematic



Surface casing
Size 10 3/4"
Weight 40½#
Grade J-55
Cmtd w/ 170 sks
Annular = 3.526 cf/lf
Capacity
Set @ 435'
Hole size 13 3/4"

EXCLUDED PERFS

OPEN PERFS

Production casing
Size 7", 23#, J-55/N-80
Cmtd w/ 400 sks
Capacity = 4.524 cf/lf
Annular 4½ = 2.993 cf/lf
Set @ 5990'
Hole size 9"

Tubing Landing Detail:

Description	Size	Footage	Depth
KB to Tbg Head		12.00	12.00
NO TUBING IN WELL			
EOT			

Tubing Information
Condition:
New: ____ Used: ____ Rerun: ____
Grade:
Weight (#/ft):

Sucker Rod Detail:

Size	Rods	Rod Type

Rod Information
Condition:
New: ____ USED ____ RERUN ____
Grade:
Manufacturer:

Pump Information:
API Designation
Example:
Pump SN#: ____ Original Run Date: ____
Rerun: ____ New Run: ____ Rebuild: ____

ESP Well
Cable Size:
Pump Intake @
End of Pump @

Flowing Well
"R" NIPPLE
PKR @
EOT @

Wellhead Detail:
7 1/16" 2000#
7 1/16" 3000#
7 1/16" 5000#
Other:
Tbg Hanger Type: Donut: ____ Bonnet: ____

SUMMARY

11/55: At completion, perforated 5136-40', set CICR at 5116', squeezed perforations with 100 sx. Perforated 5117-29' and swabbed 100% oil. Perforated 5076-82', 5084-91', 5095-5103', 5620-24', 5864-71'. Swabbed as follows.
5864-71', 60% oil.
5620-24', 55% oil.
5076-5129', 28% oil.
SOS 5117-29' with 2000 gal. oil and 3000# sand.
SOS 5076-5103' with 3000 gal. oil and 4500# sand.
Cleaned out and ETP on rod pump.

4/56: Swabbed as follows.
5620-24', 86% oil.
5117-29', 100% water.
5076-5103', 100% water.
5864-71', 80% oil.
Set CIBP at 5145', CICR at 5066', squeezed 5076-5129' with 260 sx. in four stages. Drilled out and reperforated 5076-82', 5084-91' and 5095-5103' Isolated and swabbed 5076-82', 5084-91', 5095-5103', recovering only a trace of oil on each. Treated same with hot oil, 500 gal. MCA, and SOS with 3000 gal. oil and 4500# sand. Drilled out to PBTD and RTP.

6/57: Ran straddle packers to isolate 5076-5129' and RTP on rods.

8/57: Pulled packers and reperforated 5864-71'. SOS same with 50 bbl. oil and 2500# sand. Ran straddle packers back in hole to isolate 5076-5129' and RTP.

9/60: According to last tour report on file, all rod pumping equipment and tubing was pulled from the well with only a pumping head installed. Well has been TA'd since 9/60.

Prepared By: J Pennell Date: ####

CONFIDENTIAL

Division of Oil, Gas and Mining

OPERATOR CHANGE WORKSHEET

ROUTING
1. GLH
2. CDW
3. FILE

Change of Operator (Well Sold) — Designation of Agent/Operator

X Operator Name Change — Merger

The operator of the well(s) listed below has changed, effective: **2/1/2003**

FROM: (Old Operator):	**TO:** (New Operator):
N4235-Shenandoah Energy Inc 11002 E 17500 S Vernal, UT 84078-8526 Phone: (435) 781-4341	N2460-QEP Uinta Basin Inc 11002 E 17500 S Vernal, UT 84078-8526 Phone: (435) 781-4341

CA No. **Unit:** **RED WASH**

WELL(S)

NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS	Confid
RWU 39 (14-24A)	24	070S	220E	4304715166	5670	Federal	OW	TA	
RWU 41-24A	24	070S	220E	4304733769	5670	Federal	OW	P	
RWU 42-24A	24	070S	220E	4304733569	5670	Federal	OW	P	
RWU 41-25A	25	070S	220E	4304733579	5670	Federal	OW	P	
RWU 42-25A	25	070S	220E	4304733580	5670	Federal	OW	S	
RWU 41 (34-13B)	13	070S	230E	4304715168	5670	Federal	OW	P	
RWU 43 (12-17B)	17	070S	230E	4304715170	5670	Federal	OW	P	
RWU 44-18B	18	070S	230E	4304733594	5670	Federal	OW	P	
RWU 42-19B	19	070S	230E	4304733556	5670	Federal	OW	P	
RWU 42-20B	20	070S	230E	4304733490	5670	Federal	OW	P	
RWU 4 (41-22B)	22	070S	230E	4304715137	5670	Federal	OW	TA	
RWU 5 (41-23B)	23	070S	230E	4304715138	5670	Federal	OW	P	
RWU 40 (21-24B)	24	070S	230E	4304715167	5670	Federal	OW	TA	
RWU 49 (12-29B)	29	070S	230E	4304715175	5670	Federal	OW	TA	
RWU 42-30B	30	070S	230E	4304733771	5670	Federal	OW	P	
RWU 44-30B	30	070S	230E	4304733772	5670	Federal	OW	P	
RWU 45 (23-30B)	30	070S	230E	4304715172	5670	Federal	OW	TA	
RWU 46 (41-21C)	21	070S	240E	4304715173	5670	Federal	GW	TA	
RWU 42 (21-29C)	29	070S	240E	4304715169	5670	Federal	GW	P	
RWU 44 (32-33C)	33	070S	240E	4304715171	5670	Federal	GW	P	

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 6/2/2003
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 6/2/2003
3. The new company was checked on the **Department of Commerce, Division of Corporations Database on:** 6/19/2003
4. Is the new operator registered in the State of Utah: YES Business Number: 5292864-0151
5. If **NO**, the operator was contacted contacted on: ____

6. (R649-9-2)Waste Management Plan has been received on: IN PLACE

7. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: 7/21/2003

8. **Federal and Indian Units:**
The BLM or BIA has approved the successor of unit operator for wells listed on: 7/21/2003

9. **Federal and Indian Communization Agreements ("CA"):**
The BLM or BIA has approved the operator for all wells listed within a CA on: n/a

10. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject,** for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: n/a

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database on:** 8/28/2003
2. Changes have been entered on the **Monthly Operator Change Spread Sheet on:** 8/28/2003
3. Bond information entered in RBDMS on: n/a
4. Fee wells attached to bond in RBDMS on: n/a

STATE WELL(S) BOND VERIFICATION:

1. State well(s) covered by Bond Number: 965-003-032

FEDERAL WELL(S) BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: ESB000024

INDIAN WELL(S) BOND VERIFICATION:

1. Indian well(s) covered by Bond Number: 799446

FEE WELL(S) BOND VERIFICATION:

1. (R649-3-1) The **NEW** operator of any fee well(s) listed covered by Bond Number 965-003-033

2. The **FORMER** operator has requested a release of liability from their bond on: n/a
The Division sent response by letter on: n/a

LEASE INTEREST OWNER NOTIFICATION:

3. (R649-2-10) The **FORMER** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

COMMENTS:

SEI (N4235) to QEP (N2460) RED WASH UNIT

well_name	Sec	T	R	api	Entity	Lease Type	type	stat	
RED WASH 22-21B	21	070S	230E	4304733522	5670	Federal	OW	TA	
RED WASH 24-20B	20	070S	230E	4304733523	5670	Federal	OW	P	
RED WASH 305 (41-4F)	04	080S	240E	4304732538	5670	Federal	GW	TA	
RED WASH 306	23	070S	240E	4304732629	5670	Federal	GW	P	
RED WASH 44-19B	19	070S	230E	4304733524	5670	Federal	OW	P	
RED WASH 44-20B	20	070S	230E	4304733525	5670	Federal	OW	P	
RWU 1 (41-26B)	26	070S	230E	4304715135	5670	Federal	OW	TA	
RWU 10 (12-23B)	23	070S	230E	4304715141	5670	Federal	OW	TA	
RWU 101 (34-21B)	21	070S	230E	4304715220	5670	Federal	OW	P	
RWU 103 (34-15B)	15	070S	230E	4304715222	5670	Federal	OW	P	
RWU 108 (32-21B)	21	070S	230E	4304715226	5670	Federal	OW	P	
RWU 109 (21-28B)	28	070S	230E	4304715227	5670	Federal	OW	P	
RWU 110 (23-23A)	23	070S	220E	4304715228	5670	Federal	OW	P	
RWU 111 (32-24A)	24	070S	220E	4304715229	5670	Federal	OW	TA	
RWU 112 (32-28A)	28	070S	220E	4304715230	5670	Federal	OW	P	
RWU 115 (21-19B)	19	070S	230E	4304715233	5670	Federal	OW	P	
RWU 119 (43-29A)	29	070S	220E	4304715236	5670	Federal	OW	P	
RWU 120 (23-28B)	28	070S	230E	4304715237	5670	Federal	OW	TA	
RWU 121 (13-13B)	13	070S	230E	4304715238	5670	Federal	GW	P	
RWU 122 (24-14B)	14	070S	230E	4304715239	5670	Federal	OW	P	
RWU 125 (34-19B)	19	070S	230E	4304715242	5670	Federal	OW	TA	
RWU 126 (41-29A)	29	070S	220E	4304715243	5670	Federal	OW	P	
RWU 127 (12-19B)	19	070S	230E	4304715244	5670	Federal	OW	TA	
RWU 129 (14-15B)	15	070S	230E	4304715246	5670	Federal	OW	P	
RWU 13 (14-22B)	22	070S	230E	4304715143	5670	Federal	OW	TA	
RWU 133 (41-34B)	34	070S	230E	4304715250	5670	Federal	OW	P	
RWU 136 (43-19B)	19	070S	230E	4304715252	5670	Federal	OW	TA	
RWU 137 (34-28B)	28	070S	230E	4304715253	5670	Federal	GW	TA	
RWU 138 (41-30B)	30	070S	230E	4304715254	5670	Federal	OW	P	
RWU 140 (24-22B)	22	070S	230E	4304715255	5670	Federal	OW	P	
RWU 141 (11-27B)	27	070S	230E	4304715256	5670	Federal	OW	TA	
RWU 143 (33-14B)	14	070S	230E	4304715257	5670	Federal	OW	P	
RWU 144 (21-18B)	18	070S	230E	4304715258	5670	Federal	OW	TA	
RWU 145 (24-13B)	13	070S	230E	4304715259	5670	Federal	OW	TA	
RWU 147 (22-22B)	22	070S	230E	4304715260	5670	Federal	OW	TA	
RWU 15 (32-17C)	17	070S	240E	4304715145	5670	Federal	OW	P	
RWU 151 (42-14B)	14	070S	230E	4304715264	5670	Federal	OW	P	
RWU 153 (14-29B)	29	070S	230E	4304715265	5670	Federal	OW	P	
RWU 158 (32-30B)	30	070S	230E	4304715268	5670	Federal	OW	P	
RWU 160 (32-15B)	15	070S	230E	4304715270	5670	Federal	OW	P	
RWU 162 (12-20B)	20	070S	230E	4304715272	5670	Federal	OW	TA	
RWU 164 (12-28B)	28	070S	230E	4304715274	5670	Federal	OW	P	
RWU 165 (32-26B)	26	070S	230E	4304715275	5670	Federal	GW	TA	
RWU 167 (23-21B)	21	070S	230E	4304715277	5670	Federal	OW	S	
RWU 168 (23-24B)	24	070S	230E	4304715278	5670	Federal	OW	TA	
RWU 172 (21-30B)	30	070S	230E	4304715280	5670	Federal	OW	TA	
RWU 176 (31-28B)	28	070S	230E	4304715283	5670	Federal	OW	TA	
RWU 177 (42-28B)	28	070S	230E	4304715284	5670	Federal	OW	TA	
RWU 178 (22-13B)	13	070S	230E	4304715285	5670	Federal	OW	TA	
RWU 180 (31-23B)	23	070S	230E	4304715287	5670	Federal	OW	TA	
RWU 181 (34-30B)	30	070S	230E	4304715288	5670	Federal	OW	P	
RWU 184 (23-26B)	26	070S	230E	4304715290	5670	Federal	OW	TA	
RWU 188 (23-20B)	20	070S	230E	4304715291	5670	Federal	OW	TA	
RWU 19 (34-26B)	26	070S	230E	4304715148	5670	Federal	GW	TA	
RWU 192 (41-33A)	33	070S	220E	4304715294	5670	Federal	OW	P	
RWU 193 (43-24B)	24	070S	230E	4304715295	5670	Federal	GW	S	
RWU 194 (12-14B)	14	070S	230E	4304715296	5670	Federal	OW	S	
RWU 196 (23-17C)	17	070S	240E	4304715298	5670	Federal	GW	S	
RWU 201 (32-28C)	28	070S	240E	4304715302	5670	Federal	GW	P	
RWU 204 (23-25A)	25	070S	220E	4304715305	5670	Federal	OW	P	
RWU 205 (23-21C)	21	070S	240E	4304715306	5670	Federal	GW	TA	
RWU 207	17	070S	230E	4304732738	5670	Federal	OW	P	
RWU 21 (32-14B)	14	070S	230E	4304715150	5670	Federal	OW	P	
RWU 212 (41-8F)	08	080S	240E	4304720014	5670	Federal	GW	P	
RWU 21-24A	24	070S	220E	4304733592	5670	Federal	OW	P	

well_name	Sec	T	R	api	Entity	Lease Type	type	stat	
RWU 21-25A	25	070S	220E	4304733576	5670	Federal	OW	P	
RWU 219 (44-21C)	21	070S	240E	4304730149	5670	Federal	GW	P	
RWU 220 (22-23B)	23	070S	230E	4304730192	5670	Federal	OW	TA	
RWU 221 (13-27B)	27	070S	230E	4304730199	5670	Federal	OW	TA	
RWU 22-13A	13	070S	220E	4304733765	5670	Federal	OW	S	
RWU 22-19B	19	070S	230E	4304733559	5670	Federal	OW	P	
RWU 222 (31-27B)	27	070S	230E	4304730200	5670	Federal	GW	TA	
RWU 22-20B	20	070S	230E	4304733491	5670	Federal	OW	P	
RWU 22-25A	25	070S	220E	4304733786	5670	Federal	OW	P	
RWU 22-29B	29	070S	230E	4304733766	5670	Federal	OW	S	
RWU 224 (44-22B)	22	070S	230E	4304730202	5670	Federal	GW	TA	
RWU 225 (13-23B)	23	070S	230E	4304730212	5670	Federal	GW	TA	
RWU 226 (24-23B)	23	070S	230E	4304730249	5670	Federal	GW	S	
RWU 227 (14-26B)	26	070S	230E	4304730257	5670	Federal	OW	TA	
RWU 228 (21-34B)	34	070S	230E	4304730258	5670	Federal	OW	P	
RWU 229 (43-26B)	26	070S	230E	4304730259	5670	Federal	OW	TA	
RWU 230 (14-18C)	18	070S	240E	4304730309	5670	Federal	OW	TA	
RWU 231 (21-35B)	35	070S	230E	4304730310	5670	Federal	OW	TA	
RWU 232 (12-26B)	26	070S	230E	4304730311	5670	Federal	OW	TA	
RWU 23-24A	24	070S	220E	4304733567	5670	Federal	OW	P	
RWU 233 (12-25B)	25	070S	230E	4304730312	5670	Federal	OW	TA	
RWU 234 (32-24B)	24	070S	230E	4304730313	5670	Federal	OW	P	
RWU 235 (34-18C)	18	070S	240E	4304730314	5670	Federal	OW	P	
RWU 236 (21-19C)	19	070S	240E	4304730340	5670	Federal	GW	P	
RWU 237 (14-25B)	25	070S	230E	4304730341	5670	Federal	OW	P	
RWU 238 (32-35B)	35	070S	230E	4304730342	5670	Federal	OW	TA	
RWU 239 (41-35B)	35	070S	230E	4304730343	5670	Federal	OW	TA	
RWU 24 (34-14B)	14	070S	230E	4304715152	5670	Federal	OW	P	
RWU 240 (12-36B)	36	070S	230E	4304730344	5670	Federal	OW	P	
RWU 241 (22-14B)	14	070S	230E	4304730345	5670	Federal	OW	P	
RWU 24-18B	18	070S	230E	4304733554	5670	Federal	OW	P	
RWU 24-19B	19	070S	230E	4304733492	5670	Federal	OW	P	
RWU 242 (42-13B)	13	070S	230E	4304730346	5670	Federal	OW	P	
RWU 243 (42-18C)	18	070S	240E	4304730347	5670	Federal	OW	TA	
RWU 244 (23-19C)	19	070S	240E	4304730348	5670	Federal	GW	P	
RWU 246 (22-18C)	18	070S	240E	4304730387	5670	Federal	OW	P	
RWU 247 (22-17C)	17	070S	240E	4304730388	5670	Federal	GW	P	
RWU 26 (23-22B)	22	070S	230E	4304715153	5670	Federal	OW	TA	
RWU 262 (22-26B)	26	070S	230E	4304730517	5670	Federal	GW	TA	
RWU 265 (44-26B)	26	070S	230E	4304730520	5670	Federal	GW	P	
RWU 267 (32-17B)	17	070S	230E	4304732981	5670	Federal	OW	P	
RWU 27 (43-14B)	14	070S	230E	4304715154	5670	Federal	OW	TA	
RWU 270 (22-35B)	35	070S	230E	4304731082	5670	Federal	OW	P	
RWU 272 (44-23B)	23	070S	230E	4304731054	5670	Federal	GW	P	
RWU 273 (42-27B)	27	070S	230E	4304731051	5670	Federal	OW	TA	
RWU 276 (44-27B)	27	070S	230E	4304731053	5670	Federal	OW	TA	
RWU 278 (11-26)	26	070S	230E	4304731076	5670	Federal	GW	TA	
RWU 28 (43-22B)	22	070S	230E	4304715155	5670	Federal	OW	P	
RWU 280 (11-35B)	35	070S	230E	4304731079	5670	Federal	OW	P	
RWU 282 (42-26B)	26	070S	230E	4304731080	5670	Federal	GW	TA	
RWU 284 (33-23B)	23	070S	230E	4304731476	5670	Federal	GW	TA	
RWU 285 (11-24B)	24	070S	230E	4304731477	5670	Federal	OW	P	
RWU 286 (42-21B)	21	070S	230E	4304731478	5670	Federal	OW	P	
RWU 287 (44-13B)	13	070S	230E	4304731512	5670	Federal	OW	TA	
RWU 288 (24-27)	27	070S	230E	4304731513	5670	Federal	OW	TA	
RWU 289 (13-24B)	24	070S	230E	4304731517	5670	Federal	OW	P	
RWU 29 (32-23B)	23	070S	230E	4304715156	5670	Federal	OW	P	
RWU 292 (42-23B)	23	070S	230E	4304731576	5670	Federal	GW	TA	
RWU 293 (22-22A)	22	070S	220E	4304731581	5670	Federal	OW	TA	
RWU 294 (24-18C)	18	070S	240E	4304731582	5670	Federal	GW	P	
RWU 295 (11-22B)	22	070S	230E	4304731577	5670	Federal	GW	TA	
RWU 296 (12-35B)	35	070S	230E	4304731578	5670	Federal	OW	P	
RWU 297 (24-15B)	15	070S	230E	4304731579	5670	Federal	OW	P	
RWU 298 (22-27B)	27	070S	230E	4304731679	5670	Federal	OW	TA	
RWU 299 (32-18B)	18	070S	230E	4304733018	5670	Federal	OW	P	

well_name	Sec	T	R	api	Entity	Lease Type	type	stat	
RWU 3 (34-23B)	23	070S	230E	4304715136	5670	Federal	OW	P	
RWU 30 (23-13B)	13	070S	230E	4304715157	5670	Federal	GW	TA	
RWU 301 (43-15B)	15	070S	230E	4304731682	5670	Federal	GW	S	
RWU 302 (22-24B)	24	070S	230E	4304731683	5670	Federal	GW	TA	
RWU 303 (34-17B)	17	070S	230E	4304731819	5670	Federal	OW	P	
RWU 31 (34-22B)	22	070S	230E	4304715158	5670	Federal	OW	P	
RWU 33 (14-14B)	14	070S	230E	4304715160	5670	Federal	GW	TA	
RWU 35 (43-13B)	13	070S	230E	4304715162	5670	Federal	OW	TA	
RWU 36 (32-13B)	13	070S	230E	4304715163	5670	Federal	GW	P	
RWU 38 (14-23B)	23	070S	230E	4304715165	5670	Federal	OW	P	
RWU 39 (14-24A)	24	070S	220E	4304715166	5670	Federal	OW	TA	
RWU 4 (41-22B)	22	070S	230E	4304715137	5670	Federal	OW	TA	
RWU 40 (21-24B)	24	070S	230E	4304715167	5670	Federal	OW	TA	
RWU 41 (34-13B)	13	070S	230E	4304715168	5670	Federal	OW	P	
RWU 41-24A	24	070S	220E	4304733769	5670	Federal	OW	P	
RWU 41-25A	25	070S	220E	4304733579	5670	Federal	OW	P	
RWU 42 (21-29C)	29	070S	240E	4304715169	5670	Federal	GW	P	
RWU 42-19B	19	070S	230E	4304733556	5670	Federal	OW	P	
RWU 42-20B	20	070S	230E	4304733490	5670	Federal	OW	P	
RWU 42-24A	24	070S	220E	4304733569	5670	Federal	OW	P	
RWU 42-25A	25	070S	220E	4304733580	5670	Federal	OW	S	
RWU 42-30B	30	070S	230E	4304733771	5670	Federal	OW	P	
RWU 43 (12-17B)	17	070S	230E	4304715170	5670	Federal	OW	P	
RWU 44 (32-33C)	33	070S	240E	4304715171	5670	Federal	GW	P	
RWU 44-18B	18	070S	230E	4304733594	5670	Federal	OW	P	
RWU 44-30B	30	070S	230E	4304733772	5670	Federal	OW	P	
RWU 45 (23-30B)	30	070S	230E	4304715172	5670	Federal	OW	TA	
RWU 46 (41-21C)	21	070S	240E	4304715173	5670	Federal	GW	TA	
RWU 49 (12-29B)	29	070S	230E	4304715175	5670	Federal	OW	TA	
RWU 5 (41-23B)	23	070S	230E	4304715138	5670	Federal	OW	P	
RWU 50 (14-23A)	23	070S	220E	4304715176	5670	Federal	OW	P	
RWU 52 (14-18B)	18	070S	230E	4304715178	5670	Federal	OW	TA	
RWU 53 (41-25A)	25	070S	220E	4304715179	5670	Federal	OW	TA	
RWU 57 (12-18C)	18	070S	240E	4304715183	5670	Federal	OW	P	
RWU 63 (21-22B)	22	070S	230E	4304715186	5670	Federal	GW	TA	
RWU 64 (32-27B)	27	070S	230E	4304715187	5670	Federal	OW	TA	
RWU 66 (34-18B)	18	070S	230E	4304715189	5670	Federal	OW	P	
RWU 67 (42-22B)	22	070S	230E	4304715190	5670	Federal	OW	TA	
RWU 69 (21-27B)	27	070S	230E	4304715191	5670	Federal	OW	TA	
RWU 70 (23-22A)	22	070S	220E	4304715192	5670	Federal	OW	P	
RWU 71 (21-18C)	18	070S	240E	4304715193	5670	Federal	OW	P	
RWU 72 (23-27B)	27	070S	230E	4304715194	5670	Federal	OW	TA	
RWU 74 (12-13B)	13	070S	230E	4304715196	5670	Federal	GW	P	
RWU 75 (21-26B)	26	070S	230E	4304715197	5670	Federal	OW	TA	
RWU 76 (32-18C)	18	070S	240E	4304715198	5670	Federal	GW	S	
RWU 77 (21-13B)	13	070S	230E	4304715199	5670	Federal	OW	P	
RWU 78 (32-28B)	28	070S	230E	4304715200	5670	Federal	OW	P	
RWU 79 (12-27B)	27	070S	230E	4304715201	5670	Federal	OW	TA	
RWU 8 (32-22B)	22	070S	230E	4304715139	5670	Federal	OW	P	
RWU 80 (14-27B)	27	070S	230E	4304715202	5670	Federal	OW	P	
RWU 81 (41-31B)	31	070S	230E	4304715203	5670	Federal	OW	P	
RWU 83 (41-27A)	27	070S	220E	4304715205	5670	Federal	OW	P	
RWU 84 (44-14B)	14	070S	230E	4304715206	5670	Federal	GW	P	
RWU 9 (43-23B)	23	070S	230E	4304715140	5670	Federal	OW	P	
RWU 90 (43-21B)	21	070S	230E	4304715211	5670	Federal	OW	P	
RWU 92 (11-23B)	23	070S	230E	4304715212	5670	Federal	OW	TA	
RWU 94 (12-22A)	22	070S	220E	4304715213	5670	Federal	OW	P	
RWU 99 (12-22B)	22	070S	230E	4304715218	5670	Federal	OW	P	
RED WASH UNIT 259	16	070S	230E	4304732785	5670	State	OW	P	
RED WASH UNIT 260	16	070S	230E	4304732786	5670	State	OW	P	
RWU 51 (12-16B)	16	070S	230E	4304715177	5670	State	OW	P	
RWU ST 189 (41-16B)	16	070S	230E	4304715292	5670	State	OW	P	
RED WASH UNIT 261	17	070S	230E	4304732739	5670	Federal	WI	A	
RWU 100-A (43-21A)	21	070S	220E	4304715219	5670	Federal	WI	A	

well_name	Sec	T	R	api	Entity	Lease Type	type	stat	
RWU 102 (41-24A)	24	070S	220E	4304715221	5670	Federal	WI	A	
RWU 11	27	070S	230E	4304715142	5670	Federal	WI	A	
RWU 11-19B	19	070S	230E	4304733552	5670	Federal	WI	A	
RWU 11-20B	20	070S	230E	4304733553	5670	Federal	WI	A	
RWU 11-25A	25	070S	220E	4304733574	5670	Federal	WI	A	
RWU 11-29B	29	070S	230E	4304733590	5670	Federal	WI	A	
RWU 11-30B	30	070S	230E	4304733785	5670	Federal	WI	A	
RWU 12-24A	24	070S	220E	4304733591	5670	Federal	WI	A	
RWU 13-19B	19	070S	230E	4304733497	5670	Federal	WI	A	
RWU 13-20B	20	070S	230E	4304733498	5670	Federal	WI	A	
RWU 13-25A	25	070S	220E	4304733575	5670	Federal	WI	A	
RWU 14 (14-13B)	13	070S	230E	4304715144	5670	Federal	WI	A	
RWU 148 (13-22B)	22	070S	230E	4304715261	5670	Federal	WI	A	
RWU 150 (31-22B)	22	070S	230E	4304715263	5670	Federal	WI	I	
RWU 156 (23-15B)	15	070S	230E	4304715267	5670	Federal	WI	A	
RWU 16 (43-28B)	28	070S	230E	4304716475	5670	Federal	WI	I	
RWU 161 (14-20B)	20	070S	230E	4304715271	5670	Federal	WI	I	
RWU 17 (41-20B)	20	070S	230E	4304715146	5670	Federal	WI	A	
RWU 170 (41-15B)	15	070S	230E	4304716495	5670	Federal	WI	I	
RWU 173 (21-21B)	21	070S	230E	4304716496	5670	Federal	WI	A	
RWU 174 (21-20B)	20	070S	230E	4304715281	5670	Federal	WI	A	
RWU 182 (14-21B)	21	070S	230E	4304716497	5670	Federal	WI	A	
RWU 183 (33-13B)	13	070S	230E	4304715289	5670	Federal	WI	A	
RWU 185 (41-1B)	14	070S	230E	4304716498	5670	Federal	WI	A	
RWU 199 (43-22A)	22	070S	220E	4304715301	5670	Federal	WI	A	
RWU 2 (14-24B)	24	070S	230E	4304716472	5670	Federal	WI	A	
RWU 202 (21-34A)	34	070S	220E	4304715303	5670	Federal	WI	I	
RWU 213 (41-33B)	33	070S	230E	4304720060	5670	Federal	WD	A	
RWU 215 (43-28A)	28	070S	220E	4304730058	5670	Federal	WI	A	
RWU 216 (21-27A)	27	070S	220E	4304730103	5670	Federal	WI	A	
RWU 23 (21-23B)	23	070S	230E	4304715151	5670	Federal	WI	A	
RWU 23-18C (97)	18	070S	240E	4304715216	5670	Federal	WI	I	
RWU 25 (23-23B)	23	070S	230E	4304716476	5670	Federal	WI	A	
RWU 258 (34-22A)	22	070S	220E	4304730458	5670	Federal	WI	A	
RWU 263 (24-26B)	26	070S	230E	4304730518	5670	Federal	WI	I	
RWU 264 (31-35B)	35	070S	230E	4304730519	5670	Federal	WI	A	
RWU 266 (33-26B)	26	070S	230E	4304730521	5670	Federal	WI	I	
RWU 268 (43-17B)	17	070S	230E	4304732980	5670	Federal	WI	A	
RWU 269 (13-26B)	26	070S	230E	4304730522	5670	Federal	WI	I	
RWU 271 (42-35B)	35	070S	230E	4304731081	5670	Federal	WI	I	
RWU 275 (31-26B)	26	070S	230E	4304731077	5670	Federal	WI	A	
RWU 279 (11-36B)	36	070S	230E	4304731052	5670	Federal	WI	A	
RWU 283 (43-18B)	18	070S	230E	4304732982	5670	Federal	WI	A	
RWU 31-19B	19	070S	230E	4304733555	5670	Federal	WI	A	
RWU 31-25A	25	070S	220E	4304733577	5670	Federal	WI	A	
RWU 31-30B	30	070S	230E	4304733788	5670	Federal	WI	A	
RWU 33-19B	19	070S	230E	4304733499	5670	Federal	WI	A	
RWU 33-20B	20	070S	230E	4304733500	5670	Federal	WI	A	
RWU 33-25A	25	070S	220E	4304733578	5670	Federal	WI	A	
RWU 33-30B	30	070S	230E	4304733790	5670	Federal	WI	A	
RWU 34 (23-14B)	14	070S	230E	4304715161	5670	Federal	WI	A	
RWU 34-13A	13	070S	220E	4304733593	5670	Federal	WI	A	
RWU 34-24A	24	070S	220E	4304733568	5670	Federal	WI	A	
RWU 48 (32-19B)	19	070S	230E	4304715174	5670	Federal	WI	I	
RWU 56 (41-28B)	28	070S	230E	4304715182	5670	Federal	WI	A	
RWU 59 (12-24B)	24	070S	230E	4304716477	5670	Federal	WI	A	
RWU 6 (41-21B)	21	070S	230E	4304716482	5670	Federal	WI	A	
RWU 61 (12-27A)	27	070S	220E	4304716478	5670	Federal	WI	I	
RWU 68 (41-13B)	13	070S	230E	4304716485	5670	Federal	WI	I	
RWU 7 (41-27B)	27	070S	230E	4304716473	5670	Federal	WI	I	
RWU 88 (23-18B)	18	070S	230E	4304715210	5670	Federal	WI	A	
RWU 91 (33-22B)	22	070S	230E	4304716479	5670	Federal	WI	A	
RWU 93 (43-27B)	27	070S	230E	4304716480	5670	Federal	WI	I	
RWU 324 (23-16B)	16	070S	230E	4304733084	5670	State	WI	I	

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155

IN REPLY REFER TO
UT-922

June 9, 2003

QEP Uinta Basin, Inc.
1050 17th Street, Suite 500
Denver, Colorado 80265

Re: Red Wash Unit
Uintah County, Utah

Gentlemen:

On May 30, 2003, we received an indenture dated February 1, 2003, whereby Shenandoah Energy, Inc. changed it name and QEP Uinta Basin, Inc. was designated as Successor Unit Operator for the Red Wash Unit, Uintah County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective June 9, 2003. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under Red Wash Unit Agreement.

Your nationwide (Eastern States) oil and gas bond No. B000024 will be used to cover all operations within the Red Wash Unit.

It is requested that you notify all interested parties of the name change of unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Robert A. Henricks

Robert A. Henricks
Chief, Branch of Fluid Minerals

Enclosure
bcc: Field Manager - Vernal (w/enclosure)
SITLA
Division of Oil, Gas & Mining
Minerals Adjudication Group
File – Red Wash Unit (w/enclosure)
Agr. Sec. Chron
Fluid Chron
UT922:TAThompson:tt:6/9/03

JUL 0 7 2003

3104 (932.34)WF
Nationwide Bond ESB000024

NOTICE

QEP Uinta Basin, Inc. 1050 17th Street Suite 500 Denver, Colorado 80265	:	Oil and Gas lease

Name Change Recognized

Acceptable evidence has been filed in this office concerning the name change of Shenandoah Energy Incorporated into QEP Uinta Basin, Incorporated. QEP Uinta Basin, Incorporated is the surviving entity. This name change is recognized effective April 17, 2003.

Eastern States will notify the Minerals Management Service and all applicable Bureau of Land Management offices of the change by a copy of this notice.

If you identify other leases in which the merging entity maintain an interest, please contact this office and we will appropriately document those files with a copy of this notice.

If you have any questions, please contact Bill Forbes at 703-440-1536.

S/Wilbert B Forbes

Wilbert B. Forbes
Land Law Examiner
Branch of Use Authorization
Division of Resources Planning,
Use and Protection

bc: JFO,MMS, ES RF, 930 RF, 932.34 RF, E-932: wbf:07 /07/03:440-1536/ QEP Unita Basin
MFO

QUESTAR

Questar Exploration and Production Company
Independence Plaza
1050 17th Street, Suite 500
Denver, CO 80265
Tel 303 672 6900 • Fax 303 294 9632

Denver Division

May 28, 2003

Division of Oil, Gas, & Mining
1594 West North Temple, Suite 1210
P. O. Box 145801
Salt Lake City, Utah 84114-5801

Attention: John Baza/Jim Thompson

Gentlemen:

This will serve as notice that through the internal corporate changes described below, activities formerly conducted in the name of either Shenandoah Operating Company, LLC (SOC) and/or Shenandoah Energy, Inc. (SEI) will hereafter be conducted in the name of QEP Uinta Basin, Inc.: i) the Shenandoah entities were purchased in July, 2001 by Questar Market Resources, Inc., which is a mid-level holding company for the non-utility businesses of Questar Corporation, ii) Shenandoah Operating Company, LLC has now been merged into Shenandoah Energy, Inc. (SEI), iii) Shenandoah Energy, Inc. has now been re-named **QEP Uinta Basin, Inc.** pursuant to a State of Delaware Amended and Restated Certificate of Incorporation, iv) the same employees will continue to be responsible for operations of the former SOC and SEI properties, both in the field and in the office. Accordingly, the change involves only an internal corporate name change and no third party change of operator is involved. Please alter your records to reflect the entity name change. Attached is a spreadsheet listing all wells affected by this change.

Should you have any questions, please call me at 303 - 308-3056.

Yours truly,

Frank Nielsen
Division Landman

Enclosure

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir
Use "APPLICATION FOR PERMIT--" for such proposals

SUBMIT IN TRIPLICATE

5. Lease Designation and Serial No.
UTU 0561

6. If Indian, Allottee or Tribe Name
N/A

7. If Unit or CA, Agreement Designation
Redwash

1. Type of Well
[X] Oil Well [ ] Gas Well [ ] Other

8. Well Name and No.
RWU 14-24A

2. Name of Operator
QEP UINTA BASIN, INC.

9. API Well No.
43-047-15166

3. Address and Telephone No.
11002 E. 17500 S. VERNAL, UT 84078-8526
Contact: Kirk Fleetwood (435) 781-4341
kirk.fleetwood@questar.com

10. Field and Pool, or Exploratory Area
Red Wash – Green River

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
660' FSL, 710' FWL, SWSW, SECTION 24, T7S, R22E, SLBM

11. County or Parish, State
UINTAH COUNTY, UTAH

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION	
[X] Notice of Intent	[ ] Abandonment	[ ] Change of Plans
	[ ] Recompletion	[ ] New Construction
[ ] Subsequent Report	[ ] Plugging Back	[ ] Non-Routine Fracturing
	[ ] Casing Repair	[ ] Water Shut-Off
[ ] Final Abandonment Notice	[ ] Altering Casing	[X] Conversion to Injection
	[ ] Other _____	[ ] Dispose Water

(Note) Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)

QEP has submitted a request to convert this well to an injector to the EPA. When approval is received the following work will be performed:

1. **Squeeze perfs at 5076-5082', 5084-5091', and 5095-5103'**
2. **Add new perfs at 5718-5722', and 5775-5795'**
3. **Acidize the new perfs with 500 gal. 15% HCL**
4. **RIH with packer to ±5500'**
5. **Place well on injection.**

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

14. I hereby certify that the foregoing is true and correct.
Signed _____ Title **Production Engineer** Date **9/15/2005**

(This space for Federal or State office use)

Approved by: _____ Title _____ Date _____

Conditions of approval, if any

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

RECEIVED
SEP 20 2005
DIV. OF OIL, GAS & MINING

***See instruction on Reverse Side**

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8
999 18th STREET - SUITE 300
DENVER, CO 80202-2466
http://www.epa.gov/region08

DEC 14 2005

Ref: 8P-W-GW

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Stephanie Tomkinson
QEP Uinta Basin, Inc.
11002 East 17500 South
Vernal, UT 84078

43-047-15166
7S 22E 24

Re: Underground Injection Control Program
Permit for the Red Wash Unit 14-24A Well
Uintah County, UT
EPA Permit No. UT20949-06160

Dear Ms. Tomkinson:

Enclosed is your copy of the FINAL Underground Injection Control (UIC) Permit for the proposed Red Wash Unit 14-24A injection well. A Statement of Basis, which discusses development of the conditions and requirements of the Permit, also is included.

The Public Comment period ended on NOV 24 2005. There were no comments on the Draft Permit received during the Public Notice period, and therefore the Final Permit becomes effective on the date of issuance. All conditions set forth herein refer to Title 40 Parts 124, 144, 146, and 147 of the Code of Federal Regulations (CFR) and are regulations that are in effect on the date that this Permit becomes effective.

Please note that under the terms of the Final Permit, you are authorized only to construct the proposed injection well, and must fulfill the "Prior to Commencing Injection" requirements of the Permit, Part II Section C Subpart 1 and obtain written Authorization to Inject prior to commencing injection. It is your responsibility to be familiar with and to comply with all provisions of the Final Permit.

The Permit and the authorization to inject are issued for the operating life of the well unless terminated (Part III, Section B). The EPA will review this Permit at least every five (5) years to determine whether action under 40 CFR § 144.36(a) is warranted.

If you have any questions on the enclosed Final Permit or Statement of Basis, please call Chuck Tinsley of my staff at (303) 312-6266, or toll-free at (800) 227-8917, ext. 6266.

Sincerely,

Stephen S. Tuber
Assistant Regional Administrator
Office of Partnerships and Regulatory Assistance

enclosure:
Final UIC Permit
Statement of Basis
Form 7520-7 Application to Transfer Permit
Form 7520-11 Monitoring Report
Form 7520-14 Plugging Plan
Form 7520-12 Well Rework Record
Groundwater Section Guidance 34
Groundwater Section Guidance 35
Groundwater Section Guidance 37
Groundwater Section Guidance 39

cc:
Ms. Maxine Natchees, Uintah and Ouray Business Committee
Ms. Elaine Willie, Ute Indian Tribe
Mr. Chester Mills, Bureau of Indian Affairs, U&O Agency
Mr. Gil Hunt, State of Utah, DOGM
Mr. Matt Baker, Bureau of Land Management

EPA

UNDERGROUND INJECTION CONTROL PROGRAM

PERMIT

PREPARED: November 2005

Permit No. UT20949-06160

Class II Enhanced Oil Recovery Injection Well

Red Wash Unit 14-24A
Uintah County, UT

Issued To

QEP Uinta Basin, Inc.
11002 East 17500 South
Vernal, UT 84078

Part I. AUTHORIZATION TO CONSTRUCT AND OPERATE

Under the authority of the Safe Drinking Water Act and Underground Injection Control (UIC) Program regulations of the U. S. Environmental Protection Agency (EPA) codified at Title 40 of the Code of Federal Regulations (40 CFR) Parts 2, 124, 144, 146, and 147, and according to the terms of this Permit,

QEP Uinta Basin, Inc.
11002 East 17500 South
Vernal, UT 84078

is authorized to construct and to operate the following Class II injection well or wells:

Red Wash Unit 14-24A
660 FSL 710 FWL, [NO QTR SEC] S24, T7S, R22E
Uintah County, UT

Permit requirements herein are based on regulations found in 40 CFR Parts 124, 144, 146, and 147 which are in effect on the Effective Date of this Permit.

This Permit is based on representations made by the applicant and on other information contained in the Administrative Record. Misrepresentation of information or failure to fully disclose all relevant information may be cause for termination, revocation and reissuance, or modification of this Permit and/or formal enforcement action. This Permit will be reviewed periodically to determine whether action under 40 CFR 144.36(a) is required.

This Permit is issued for the life of the well or wells unless modified, revoked and reissued, or terminated under 40 CFR 144.39 or 144.40. This Permit may be adopted, modified, revoked and reissued, or terminated if primary enforcement authority for this program is delegated to an Indian Tribe or a State. Upon the effective date of delegation, all reports, notifications, questions and other compliance actions shall be directed to the Indian tribe or State Program Director or designee.

Issue Date: DEC 14 2005

Effective Date DEC 14 2005

for Stephen S. Tuber
Assistant Regional Administrator*
Office of Partnerships and Regulatory Assistance

*NOTE: The person holding this title is referred to as the "Director" throughout this Permit.

PART II. SPECIFIC PERMIT CONDITIONS

Section A. WELL CONSTRUCTION REQUIREMENTS

These requirements represent the approved minimum construction standards for well casing and cement, injection tubing, and packer.

Details of the approved well construction plan are incorporated into this Permit as APPENDIX A. Changes to the approved plan that may occur during construction must be approved by the Director prior to being physically incorporated.

1. Casing and Cement.

The well or wells shall be cased and cemented to prevent the movement of fluids into or between underground sources of drinking water. The well casing and cement shall be designed for the life expectancy of the well and of the grade and size shown in APPENDIX A. Remedial cementing may be required if shown to be inadequate by cement bond log or other attempted demonstration of Part II (External) mechanical integrity.

2. Injection Tubing and Packer.

Injection tubing is required, and shall be run and set with a packer at or below the depth indicated in APPENDIX A. The packer setting depth may be changed provided it remains below the depth indicated in APPENDIX A and the Permittee provides notice and obtains the Director's approval for the change.

3. Sampling and Monitoring Devices.

The Permittee shall install and maintain in good operating condition:

(a) a "tap" at a conveniently accessible location on the injection flow line between the pump house or storage tanks and the injection well, isolated by shut-off valves, for collection of representative samples of the injected fluid; and

(b) one-half (1/2) inch female iron pipe fitting, isolated by shut-off valves and located at the wellhead at a conveniently accessible location, for the attachment of a pressure gauge capable of monitoring pressures ranging from normal operating pressures up to the Maximum Allowable Injection Pressure specified in APPENDIX C:

  (i) on the injection tubing; and

  (ii) on the tubing-casing annulus (TCA); and

(c) a pressure actuated shut-off device attached to the injection flow line set to shut-off the injection pump when or before the Maximum Allowable Injection Pressure specified in APPENDIX C is reached at the wellhead; and

(d) a non-resettable cumulative volume recorder attached to the injection line.

4. Well Logging and Testing

Well logging and testing requirements are found in APPENDIX B. The Permittee shall ensure the log and test requirements are performed within the time frames specified in APPENDIX B. Well logs and tests shall be performed according to current EPA-approved procedures. Well log and test results shall be submitted to the Director within sixty (60) days of completion of the logging or testing activity, and shall include a report describing the methods used during logging or testing and an interpretation of the test or log results.

5. Postponement of Construction or Conversion

The Permittee shall complete well construction within one year of the Effective Date of the Permit, or in the case of an Area Permit within one year of authorization of the additional well. Authorization to construct and operate shall expire if the well has not been constructed within one year of the Effective Date of the Permit or authorization and the Permit may be terminated under 40 CFR 144.40, unless the Permittee has notified the Director and requested an extension prior to expiration. Notification shall be in writing, and shall state the reasons for the delay and provide an estimated completion date. Once Authorization has expired under this part, the complete permit process including opportunity for public comment may be required before Authorization to construct and operate may be reissued.

6. Workovers and Alterations

Workovers and alterations shall meet all conditions of the Permit. Prior to beginning any addition or physical alteration to an injection well that may significantly affect the tubing, packer or casing, the Permittee shall give advance notice to the Director and obtain the Director's approval. The Permittee shall record all changes to well construction on a Well Rework Record (EPA Form 7520-12), and shall provide this and any other record of well workover, logging, or test data to EPA within sixty (60) days of completion of the activity.

A successful demonstration of Part I MI is required following the completion of any well workover or alteration which affects the casing, tubing, or packer. Injection operations shall not be resumed until the well has successfully demonstrated mechanical integrity and the Director has provided written approval to resume injection.

Section B. MECHANICAL INTEGRITY

The Permittee is required to ensure each injection well maintains mechanical integrity at all times. The Director, by written notice, may require the Permittee to comply with a schedule describing when mechanical integrity demonstrations shall be made.

An injection well has mechanical integrity if:

(a) There is no significant leak in the casing, tubing, or packer (Part I); and

(b) There is no significant fluid movement into an underground source of drinking water throught vertical channels adjacent to the injection well bore (Part II).

1. Demonstration of Mechanical Integrity (MI).

The operator shall demonstrate MI prior to commencing injection and periodically thereafter. Well-specific conditions dictate the methods and the frequency for demonstrating MI and are discussed in the Statement of Basis. The logs and tests are designed to demonstrate both internal (Part I) and external (Part II) MI as described above. The conditions present at this well site warrant the methods and frequency required in Appendix B of this Permit.

In addition to these regularly scheduled demonstrations of MI, the operator shall demonstrate internal (Part I) MI after any workover which affects the tubing, packer or casing.

The Director may require additional or alternative tests if the results presented by the operator are not satisfactory to the Director to demonstrate there is no movement of fluid into or between USDWs resulting from injection activity. Results of MI tests shall be submitted to the Director as soon as possible but no later than sixty (60) days after the test is complete.

2. Mechanical Integrity Test Methods and Criteria

EPA-approved methods shall be used to demonstrate mechanical integrity. Ground Water Section Guidance No. 34 "Cement Bond Logging Techniques and Interpretation", Ground Water Section Guidance No. 37, "Demonstrating Part II (External) Mechanical Integrity for a Class II injection well permit", and Ground Water Section Guidance No. 39, "Pressure Testing Injection Wells for Part I (Internal) Mechanical Integrity" are available from EPA and will be provided upon request.

The Director may stipulate specific test methods and criteria best suited for a specific well construction and injection operation.

3. Notification Prior to Testing.

The Permittee shall notify the Director at least 30 days prior to any scheduled mechanical integrity test. The Director may allow a shorter notification period if it would be sufficient to enable EPA to witness the mechanical integrity test. Notification may be in the form of a yearly or quarterly schedule of planned mechanical integrity tests, or it may be on an individual basis.

4. Loss of Mechanical Integrity.

If the well fails to demonstrate mechanical integrity during a test, or a loss of mechanical integrity becomes evident during operation (such as presence of pressure in the TCA, water flowing at the surface, etc.), the Permittee shall notify the Director within 24 hours (see Part III Section E Paragraph 11(e) of this Permit) and the well shall be shut-in within 48 hours unless the Director requires immediate shut-in.

Within five days, the Permittee shall submit a follow-up written report that documents test results, repairs undertaken or a proposed remedial action plan.

Injection operations shall not be resumed until after the well has successfully been repaired and demonstrated mechanical integrity, and the Director has provided approval to resume injection.

Section C. WELL OPERATION

INJECTION BETWEEN THE OUTERMOST CASING PROTECTING UNDERGROUND SOURCES OF DRINKING WATER AND THE WELL BORE IS PROHIBITED.

Injection is approved under the following conditions:

1. Requirements Prior to Commencing Injection.

Well injection, including for new wells authorized by an Area Permit under 40 CFR 144.33 (c), may commence only after all well construction and pre-injection requirements herein have been met and approved. The Permittee may not commence injection until construction is complete, and

(a) The Permittee has submitted to the Director a notice of completion of construction and a completed EPA Form 7520-10 or 7520-12; all applicable logging and testing requirements of this Permit (see APPENDIX B) have been fulfilled and the records submitted to the Director; mechanical integrity pursuant to 40 CFR 146.8 and Part II Section B of this Permit has been demonstrated; and

(i) The Director has inspected or otherwise reviewed the new injection well and finds it is in compliance with the conditions of the Permit; or

(ii) The Permittee has not received notice from the Director of his or her intent to inspect or otherwise review the new injection well within 13 days of the date of the notice in Paragraph 1a, in which case prior inspection or review is waived and the Permittee may commence injection.

2. Injection Interval.

Injection is permitted only within the approved injection interval, listed in APPENDIX C. Additional individual injection perforations may be added provided that they remain within the approved injection interval and the Permittee provides notice to the Director in accordance with Part II, Section A, Paragraph 6.

3. Injection Pressure Limitation

(a) The permitted Maximum Allowable Injection Pressure (MAIP), measured at the wellhead, is found in APPENDIX C. Injection pressure shall not exceed the amount the Director determines is appropriate to ensure that injection does not initiate new fractures or propagate existing fractures in the confining zone adjacent to USDWs. In no case shall injection pressure cause the movement of injection or formation fluids into a USDW.

(b) The Permittee may request a change of the MAIP, or the MAIP may be increased or decreased by the Director in order to ensure that the requirements in Paragraph (a) above are fulfilled. The Permitee may be required to conduct a step rate injection test or other suitable test to provide information for determining the fracture pressure of the injection zone. Change of the permitted MAIP by the Director shall be by modification of this Permit and APPENDIX C.

4. Injection Volume Limitation.

Injection volume is limited to the total volume specified in APPENDIX C.

5. Injection Fluid Limitation.

Injected fluids are limited to those identified in 40 CFR 144.6(b)(2) as fluids used for enhanced recovery of oil or natural gas, including those which are brought to the surface in connection with conventional oil or natural gas production that may be commingled with waste waters from gas plants which are an integral part of production operations unless those waters are classified as a hazardous waste at the time of injection, pursuant to 40 CFR 144.6(b). Non-exempt wastes, including unused fracturing fluids or acids, gas plant cooling tower cleaning wastes, service wastes and vacuum truck wastes, are NOT approved for injection. This well is NOT approved for commercial brine injection, industrial waste fluid disposal or injection of hazardous waste as defined by CFR 40 Part 261. The Permittee shall provide a listing of the sources of injected fluids in accordance with the reporting requirements in Part II Section D Paragraph 4 and APPENDIX D of this Permit.

6. Tubing-Casing Annulus (TCA)

The tubing-casing annulus (TCA) shall be filled with water treated with a corrosion inhibitor, or other fluid approved by the Director. The TCA valve shall remain closed during normal operating conditions and the TCA pressure shall be maintained at zero (0) psi.

If TCA pressure cannot be maintained at zero (0) psi, the Permittee shall follow the procedures in Ground Water Section Guidance No. 35 "Procedures to follow when excessive annular pressure is observed on a well."

Section D. MONITORING, RECORDKEEPING, AND REPORTING OF RESULTS

1. Monitoring Parameters, Frequency, Records and Reports.

Monitoring parameters are specified in APPENDIX D. Pressure monitoring recordings shall be taken at the wellhead. The listed parameters are to be monitored, recorded and reported at the frequency indicated in APPENDIX D even during periods when the well is not operating.

Monitoring records must include:

(a) the date, time, exact place and the results of the observation, sampling, measurement, or analysis, and;

(b) the name of the individual(s) who performed the observation, sampling, measurement, or analysis, and;

(c) the analytical techniques or methods used for analysis.

2. Monitoring Methods.

(a) Monitoring observations, measurements, samples, etc. taken for the purpose of complying with these requirements shall be representative of the activity or condition being monitored.

(b) Methods used to monitor the nature of the injected fluids must comply with analytical methods cited and described in Table 1 of 40 CFR 136.3 or Appendix III of 40 CFR 261, or by other methods that have been approved in writing by the Director.

(c) Injection pressure, annulus pressure, injection rate, and cumulative injected volumes shall be observed and recorded at the wellhead under normal operating conditions, and all parameters shall be observed simultaneously to provide a clear depiction of well operation.

(d) Pressures are to be measured in pounds per square inch (psi).

(e) Fluid volumes are to be measured in standard oil field barrels (bbl).

(f) Fluid rates are to be measured in barrels per day (bbl/day).

3. Records Retention.

(a) Records of calibration and maintenance, and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the application for this permit shall be retained for a period of AT LEAST THREE (3) YEARS from the date of the sample, measurement, report, or application. This period may be extended anytime prior to its expiration by request of the Director.

(b) Records of the nature and composition of all injected fluids must be retained until three (3) years after the completion of any plugging and abandonment (P&A) procedures specified under 40 CFR 144.52(a)(6) or under Part 146 Subpart G, as appropriate. The Director may require the Permittee to deliver the records to the Director at the conclusion of the retention period. The Permittee shall continue to retain the records after the three (3) year retention period unless the Permittee delivers the records to the Director or obtains written approval from the Director to discard the records.

(c) The Permittee shall retain records at the location designated in APPENDIX D.

4. Annual Reports.

Whether the well is operating or not, the Permittee shall submit an Annual Report to the Director that summarizes the results of the monitoring required by Part II Section D and APPENDIX D.

The first Annual Report shall cover the period from the effective date of the Permit through December 31 of that year. Subsequent Annual Reports shall cover the period from January 1 through December 31 of the reporting year. Annual Reports shall be submitted by February 15 of the year following data collection. EPA Form 7520-11 may be copied and shall be used to submit the Annual Report, however, the monitoring requirements specified in this Permit are mandatory even if EPA Form 7520-11 indicates otherwise.

Section E. PLUGGING AND ABANDONMENT

1. Notification of Well Abandonment, Conversion or Closure.

The Permittee shall notify the Director in writing at least forty-five (45) days prior to: 1) plugging and abandoning an injection well, 2) converting to a non-injection well, and 3) in the case of an Area Permit, before closure of the project.

2. Well Plugging Requirements

Prior to abandonment, the injection well shall be plugged with cement in a manner which prevents the movement of fluids into or between underground sources of drinking water. Prior to placement of the cement plug(s) the well shall be in a state of static equilibrium with the mud weight equalized top to bottom, either by circulating the mud in the well at least once or by a comparable method prescribed by the Director. The well shall be plugged in accordance with the approved plugging and abandonment plan and with 40 CFR 146.10.

3. Approved Plugging and Abandonment Plan.

The approved plugging and abandonment plan is incorporated into this Permit as APPENDIX E. Changes to the approved plugging and abandonment plan must be approved by the Director prior to beginning plugging operations. The Director also may require revision of the approved plugging and abandonment plan at any time prior to plugging the well.

4. Forty Five (45) Day Notice of Plugging and Abandonment.

The Permittee shall notify the Director at least forty-five (45) days prior to plugging and abandoning a well and provide notice of any anticipated change to the approved plugging and abanonment plan.

5. Plugging and Abandonment Report.

Within sixty (60) days after plugging a well, the Permittee shall submit a report (EPA Form 7520-13) to the Director. The plugging report shall be certified as accurate by the person who performed the plugging operation. Such report shall consist of either:

(a) A statement that the well was plugged in accordance with the approved plugging and abandonment plan; or

(b) Where actual plugging differed from the approved plugging and abandonment plan, an updated version of the plan, on the form supplied by the Director, specifying the differences.

6. Inactive Wells.

After any period of two years during which there is no injection the Permittee shall plug and abandon the well in accordance with Part II Section E Paragraph 2 of this Permit unless the Permittee:

(a) Provides written notice to the Director;

(b) Describes the actions or procedures the Permittee will take to ensure that the well will not endanger USDWs during the period of inactivity. These actions and procedures shall include compliance with mechanical integrity demonstration, Financial Responsibility and all other permit requirements designed to protect USDWs; and

(c) Receives written notice by the Director temporarily waiving plugging and abandonment requirements.

PART III. CONDITIONS APPLICABLE TO ALL PERMITS

Section A. EFFECT OF PERMIT

The Permittee is allowed to engage in underground injection in accordance with the conditions of this Permit. The Permittee shall not construct, operate, maintain, convert, plug, abandon, or conduct any other activity in a manner that allows the movement of fluid containing any contaminant into underground sources of drinking water, if the presence of that contaminant may cause a violation of any primary drinking water regulation under 40 CFR 142 or may otherwise adversely affect the health of persons. Any underground injection activity not authorized by this Permit or by rule is prohibited. Issuance of this Permit does not convey property rights of any sort or any exclusive privilege; nor does it authorize any injury to persons or property, any invasion of other private rights, or any infringement of State or local law or regulations. Compliance with the terms of this Permit does not constitute a defense to any enforcement action brought under the provisions of Section 1431 of the Safe Drinking Water Act (SDWA) or any other law governing protection of public health or the environment, for any imminent and substantial endangerment to human health or the environment, nor does it serve as a shield to the Permittee's independent obligation to comply with all UIC regulations. Nothing in this Permit relieves the Permittee of any duties under applicable regulations.

Section B. CHANGES TO PERMIT CONDITIONS

1. Modification, Reissuance, or Termination.

The Director may, for cause or upon a request from the Permittee, modify, revoke and reissue, or terminate this Permit in accordance with 40 CFR 124.5, 144.12, 144.39, and 144.40. Also, this Permit is subject to minor modification for causes as specified in 40 CFR 144.41. The filing of a request for modification, revocation and reissuance, termination, or the notification of planned changes or anticipated noncompliance on the part of the Permittee does not stay the applicability or enforceability of any condition of this Permit.

2. Conversions.

The Director may, for cause or upon a written request from the Permittee, allow conversion of the well from a Class II injection well to a non-Class II well. Conversion may not proceed until the Permittee receives written approval from the Director. Conditions of such conversion may include but are not limited to, approval of the proposed well rework, follow up demonstration of mechanical integrity, well-specific monitoring and reporting following the conversion, and demonstration of practical use of the converted configuration.

3. Transfer of Permit.

Under 40 CFR 144.38, this Permit is transferable provided the current Permittee notifies the Director at least thirty (30) days in advance of the proposed transfer date (EPA Form 7520-7) and provides a written agreement between the existing and new Permittees containing a specific date for transfer of Permit responsibility, coverage and liability between them. The notice shall adequately demonstrate that the financial responsibility requirements of 40 CFR 144.52(a)(7) will be met by the new Permittee. The Director may require modification or revocation and reissuance of the Permit to change the name of the Permittee and incorporate such other requirements as may be necessary under the Safe Drinking Water Act; in some cases, modification or revocation and reissuance is mandatory.

4. Permittee Change of Address.

Upon the Permittee's change of address, or whenever the operator changes the address where monitoring records are kept, the Permittee must provide written notice to the Director within 30 days.

5. Construction Changes, Workovers, Logging and Testing Data

The Permittee shall give advance notice to the Director, and shall obtain the Director's written approval prior to any physical alterations or additions to the permitted facility. Alterations or workovers shall meet all conditions as set forth in this permit. The Permittee shall record any changes to the well construction on a Well Rework Record (EPA Form 7520-12), and shall provide this and any other record of well workovers, logging , or test data to EPA within sixty (60) days of completion of the activity.

Following the completion of any well workovers or alterations which affect the casing, tubing, or packer, a successful demonstration of mechanical integrity (Part III, Section F of this permit) shall be made, and written authorization from the Director received, prior to resuming injection activities.

Section C. SEVERABILITY

The Provisions of this Permit are severable, and if any provision of this Permit or the application of any provision of this Permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this Permit shall not be affected thereby.

Section D. CONFIDENTIALITY

In accordance with 40 CFR Part 2 and 40 CFR 144.5, information submitted to EPA pursuant to this Permit may be claimed as confidential by the submitter. Any such claim must be asserted at the time of submission by stamping the words "confidential business information" on each page containing such information. If no claim is made at the time of submission, EPA may make the information available to the public without further notice. If a claim is asserted, the validity of the claim will be assessed in accordance with the procedures in 40 CFR Part 2 (Public Information). Claims of confidentiality for the following information will be denied:

- The name and address of the Permittee, and
- information which deals with the existence, absence or level of contaminants in drinking water.

Section E. GENERAL PERMIT REQUIREMENTS

1. Duty to Comply.

The Permittee must comply with all conditions of this Permit. Any noncompliance constitutes a violation of the Safe Drinking Water Act (SDWA) and is grounds for enforcement action; for Permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application; except that the Permittee need not comply with the provisions of this Permit to the extent and for the duration such noncompliance is authorized in an emergency permit under 40 CFR 144.34. All violations of the SDWA may subject the Permittee to penalties and/or criminal prosecution as specified in Section 1423 of the SDWA.

2. Duty to Reapply.

If the Permittee wishes to continue an activity regulated by this Permit after the expiration date of this Permit, under 40 CFR 144.37 the Permittee must apply for a new permit prior to the expiration date.

3. Need to Halt or Reduce Activity Not a Defense.

It shall not be a defense for a Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this Permit.

4. Duty to Mitigate.

The Permittee shall take all reasonable steps to minimize or correct any adverse impact on the environment resulting from noncompliance with this Permit.

5. Proper Operation and Maintenance.

The Permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the Permittee to achieve compliance with the conditions of this Permit. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process controls, including appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems only when necessary to achieve compliance with the conditions of this Permit.

6. Permit Actions.

This Permit may be modified, revoked and reissued or teminated for cause. The filing of a request by the Permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition.

7. Property Rights.

This Permit does not convey any property rights of any sort, or any exclusive privilege.

8. Duty to Provide Information.

The Permittee shall furnish to the Director, within a time specified, any information which the Director may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The Permittee shall also furnish to the Director, upon request, copies of records required to be kept by this Permit. The Permittee is required to submit any information required by this Permit or by the Director to the mailing address designated in writing by the Director.

9. Inspection and Entry.

The Permittee shall allow the Director, or an authorized representative, upon the presentation of credentials and other documents as may be required by law, to:

(a) Enter upon the Permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this Permit;

(b) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this Permit;

(c) Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this Permit; and,

(d) Sample or monitor at reasonable times, for the purpose of assuring permit compliance or as otherwise authorized by the SDWA, any substances or parameters at any location.

10. Signatory Requirements.

All applications, reports or other information submitted to the Director shall be signed and certified according to 40 CFR 144.32. This section explains the requirements for persons duly authorized to sign documents, and provides wording for required certification.

11. Reporting Requirements.

(a) Planned changes. The Permittee shall give notice to the Director as soon as possible of any planned changes, physical alterations or additions to the permitted facility, and prior to commencing such changes.

(b) Anticipated noncompliance. The Permittee shall give advance notice to the Director of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.

(c) Monitoring Reports. Monitoring results shall be reported at the intervals specified in this Permit.

(d) Compliance schedules. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this Permit shall be submitted no later than 30 days following each schedule date.

(e) Twenty-four hour reporting. The Permittee shall report to the Director any noncompliance which may endanger human health or the environment, including:

(i) Any monitoring or other information which indicates that any contaminant may cause endangerment to a USDW; or

(ii) Any noncompliance with a permit condition or malfunction of the injection system which may cause fluid migration into or between USDWs.

Information shall be provided, either directly or by leaving a message, within twenty-four (24) hours from the time the permittee becomes aware of the circumstances by telephoning (800) 227-8917 and requesting EPA Region VIII UIC Program Compliance and Technical Enforcement Director, or by contacting the EPA Region VIII Emergency Operations Center at (303) 293-1788.

In addition, a follow up written report shall be provided to the Director within five (5) days of the time the Permittee becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause, the period of noncompliance including exact dates and times, and if the noncompliance has not been corrected the anticipated time it is expected to continue; and the steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance.

(f) Oil Spill and Chemical Release Reporting: The Permittee shall comply with all reporting requirements related to the occurence of oil spills and chemical releases by contacting the National Response Center (NRC) at (800) 424-8802, (202) 267-2675, or through the NRC website http://www.nrc.uscg.mil/index.htm.

(g) Other Noncompliance. The Permittee shall report all instances of noncompliance not reported under paragraphs Part III, Section E Paragraph 11(b) or Section E, Paragraph 11(e) at the time the monitoring reports are submitted. The reports shall contain the information listed in Paragraph 11(e) of this Section.

(h) Other information. Where the Permittee becomes aware that it failed to submit any relevant facts in the permit application, or submitted incorrect information in a permit application or in any report to the Director, the Permittee shall promptly submit such facts or information to the Director.

Section F. FINANCIAL RESPONSIBILITY

1. Method of Providing Financial Responsibility.

The Permittee shall maintain continuous compliance with the requirement to maintain financial responsibility and resources to close, plug, and abandon the underground injection well(s). No substitution of a demonstration of financial responsibility shall become effective until the Permittee receives written notification from the Director that the alternative demonstration of financial responsibility is acceptable. The Director may, on a periodic basis, require the holder of a permit to revise the estimate of the resources needed to plug and abandon the well to reflect changes in such costs and may require the Permittee to provide a revised demonstration of financial responsibility.

2. Insolvency.

In the event of:

(a) the bankruptcy of the trustee or issuing institution of the financial mechanism; or

(b) suspension or revocation of the authority of the trustee institution to act as trustee; or

(c) the institution issuing the financial mechanism losing its authority to issue such an instrument

the Permittee must notify the Director in writing, within ten (10) business days, and the Permittee must establish other financial assurance or liability coverage acceptable to the Director within sixty (60) days after any event specified in (a), (b), or (c) above.

The Permittee must also notify the Director by certified mail of the commencement of voluntary or involuntary proceedings under Title 11 (Bankruptcy), U.S. Code naming the owner or operator as debtor, within ten (10) business days after the commencement of the proceeding. A guarantor, if named as debtor of a corporate guarantee, must make such a notification as required under the terms of the guarantee.

APPENDIX A

WELL CONSTRUCTION REQUIREMENTS

FORMATION DATA:

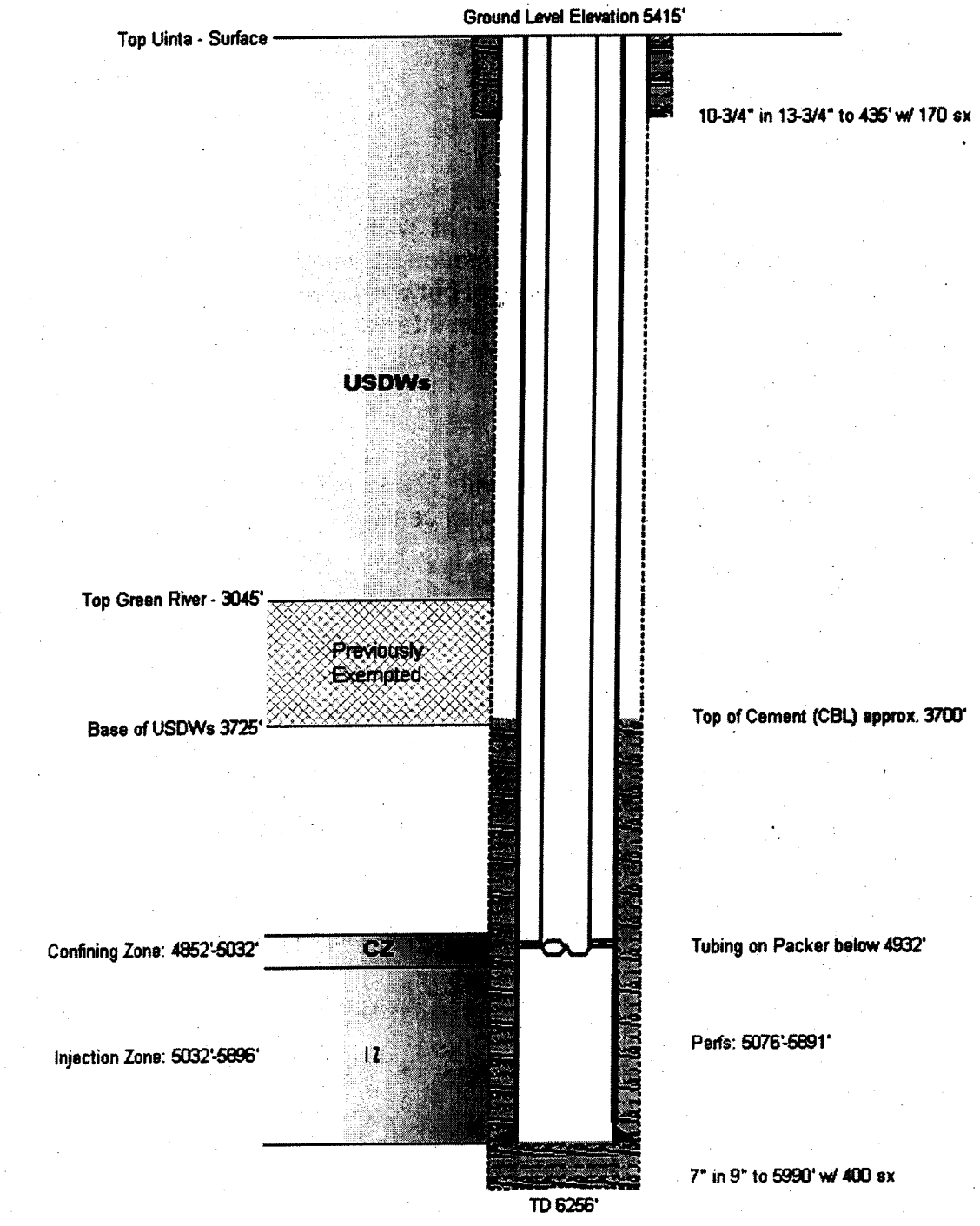
* Base of USDWs: Top of Green River Formation at 3725'
* Previous Aquifer Exemption: Green River Formation between 3045'-3725'
* Confining Zone: Green River Formation interval between 4852'-5032'
* Permitted Injection Zone: Green River Formation interval between 5032'-5896'
* Original Authorized Injection perforations: 5076'- 5891'

WELL CONSTRUCTION:

* 10-3/4" surface casing in 13-3/4" hole to 435' with 170 sx cement
* 7" longstring casing in 9" hole to 5990' with 400 sx cement
* Perforations: Green River from 5076' - 5891'
* Well TD at 6256'

WELLHEAD EQUIPMENT:

* Sampling tap located to enable sampling fluid in the injection tubing
* Sampling tap located to enable sampling fluid in the 2-7/8" x 5-1/2" annulus
* Pressure gauge isolated by 1/2" FIP shut-off valve or quick-connect and located to enable reading the pressure on the injection tubing
* Pressure gauge isolated by 1/2" FIP shut-off valve or quick-connect and located to enable reading the pressure on the 2-7/8" x 4-1/2" annulus
* Pressure actuated shut-off device located on the injection line, and set to prevent injection operations from exceeding the maximum allowable injection pressure
* Non-resettable cumulative volume



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APPENDIX B

LOGGING AND TESTING REQUIREMENTS

Logs.

Logs will be conducted according to current UIC guidance. It is the responsibility of the permittee to obtain and use guidance prior to conducting any well logging required as a condition of this permit.

WELL NAME: Red Wash Unit 14-24A

TYPE OF LOG	DATE DUE
RATS	Prior to beginning injection and at least once every five (5) years after the last successful demonstration of Part II Mechanical Integrity.

Tests.

Tests will be conducted according to current UIC guidance. It is the responsibility of the permittee to obtain and use guidance prior to conducting any well test required as a condition of this permit.

WELL NAME: Red Wash Unit 14-24A

TYPE OF TEST	DATE DUE
Injection Zone Water Sample	Prior to beginning injection
Pore Pressure	Prior to beginning injection
Standard Annulus Pressure	Prior to beginning injection and at least once every five (5) years after the last successful demonstration of Part I Mechanical Integrity.

APPENDIX C

OPERATING REQUIREMENTS

MAXIMUM ALLOWABLE INJECTION PRESSURE:

Maximum Allowable Injection Pressure (MAIP) as measured at the surface shall not exceed the pressure(s) listed below.

	MAXIMUM ALLOWED INJECTION PRESSURE (psi)
WELL NAME	ZONE 1 (Upper)
Red Wash Unit 14-24A	1,495

INJECTION INTERVAL(S):

Injection is permitted only within the approved injection interval listed below. Injection perforations may be altered provided they remain within the approved injection interval and the Permittee provides notice to the Director in accordance with Part II, Section A, Paragraph 6. Specific injection perforations can be found in Appendix A.

WELL NAME: Red Wash Unit 14-24A

	APPROVED INJECTION INTERVAL (GL, ft)		FRACTURE GRADIENT
FORMATION NAME	TOP	BOTTOM	(psi/ft)
Green River	5,032.00	5,896.00	0.733

ANNULUS PRESSURE:

The annulus pressure shall be maintained at zero (0) psi as measured at the wellhead. If this pressure cannot be maintained, the Permittee shall follow the procedures listed under Part II, Section C. 6. of this permit.

MAXIMUM INJECTION VOLUME:

There is no limitation on the number of barrels per day (bbls/day) of water that shall be injected into this well, provided further that in no case shall injection pressure exceed that limit shown in Appendix C.

APPENDIX D

MONITORING AND REPORTING PARAMETERS

This is a listing of the parameters required to be observed, recorded, and reported. Refer to the permit Part II, Section D, for detailed requirements for observing, recording, and reporting these parameters.

OBSERVE MONTHLY AND RECORD AT LEAST ONCE EVERY THIRTY DAYS	
OBSERVE AND RECORD	Injection pressure (psig)
	Annulus pressure(s) (psig)
	Injection rate (bbl/day)
	Fluid volume injected since the well began injecting (bbls)

ANNUALLY	
ANALYZE	Injected fluid total dissolved solids (mg/l)
	Injected fluid specific gravity
	Injected fluid specific conductivity
	Injected fluid pH

ANNUALLY	
REPORT	Each month's maximum and averaged injection pressures (psig)
	Each month's maximum and averaged annulus pressure(s) (psig)
	Each month's averaged injection rate (bbl/day)
	Fluid volume injected since the well began injecting (bbl)
	Written results of annual injected fluid analysis
	Sources of all fluids injected during the year

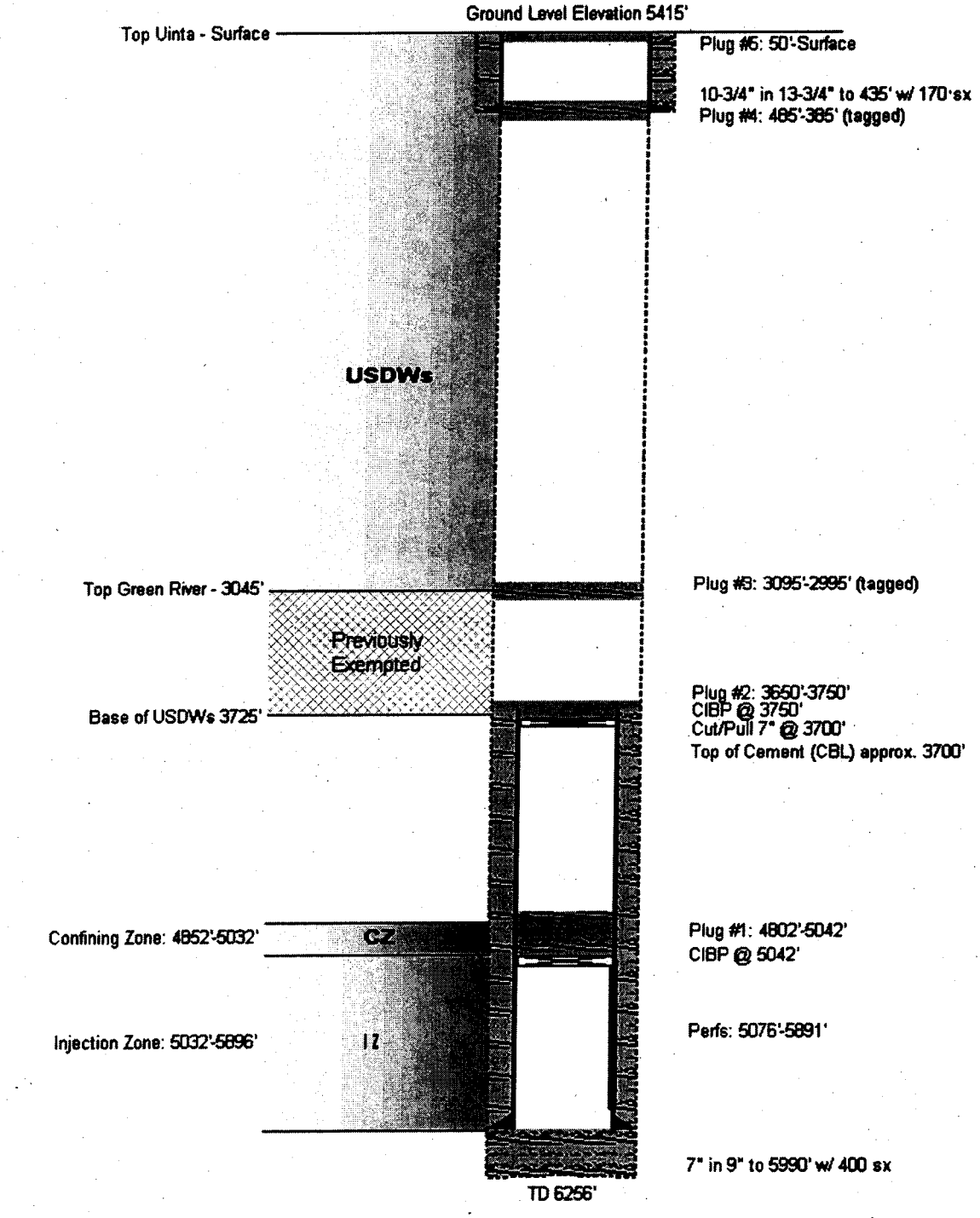
Records of all monitoring activities must be retained and made available for inspection at the following location:

QEP Uinta Basin, Inc.
11002 East 17500 South
Vernal, UT 84078

APPENDIX E

PLUGGING AND ABANDONMENT REQUIREMENTS

Perform Mechanical Integrity Test
Pull tubing and packer
Repair any casing leaks
Circulate well with 9.6 ppg drilling mud or plugging gel
Set CIBP inside 7" casing at 5042'
Place cement on top of CIBP to 4802' to isolate injection zone
Free point casing prior to cutting 7" (assume free point at 3700')
Place CIBP inside 7" casing at 3750' (50' below point where casing will be cut)
Cut and pull casing casing
Place cement plug inside 7" casing from 3750'-3650' to isolate base of USDWs and to isolate the 7" casing stub
Set cement plug in open hole in the interval 3095'-2995'
WOC and tag plug to verify top of cement
Place cement plug across base of 10-3/4" surface casing from 485'-385'
WOC and tag plug to verify top of cementPlace cement plug inside 10-3/4" casing from 50' to surface



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APPENDIX F

CORRECTIVE ACTION REQUIREMENTS

No corrective action is necessary for this injection well.

STATEMENT OF BASIS

QEP UINTA BASIN, INC.
RED WASH UNIT 14-24A
UINTAH COUNTY, UT

EPA PERMIT NO. UT20949-06160

CONTACT: Chuck Tinsley
U. S. Environmental Protection Agency
Ground Water Program, 8P-W-GW
999 18th Street, Suite 300
Denver, Colorado 80202-2466
Telephone: 1-800-227-8917 ext. 6266

This STATEMENT OF BASIS gives the derivation of site-specific UIC Permit conditions and reasons for them. Referenced sections and conditions correspond to sections and conditions in the Permit.

UIC Permits specify the conditions and requirements for construction, operation, monitoring and reporting, and plugging of injection wells to prevent the movement of fluids into underground sources of drinking water (USDWs). Under 40 CFR 144 Subpart D, certain conditions apply to all UIC Permits and may be incorporated either expressly or by reference. General Permit conditions for which content is mandatory and not subject to site-specific differences (40 CFR Parts 144, 146 and 147) are not discussed in this document.

Upon the Effective Date when issued, the Permit authorizes the conversion and operation of a "new" injection well or wells governed by the conditions specified in the Permit. The Permit is issued for the operating life of the injection well or project unless terminated for reasonable cause under 40 CFR 144.39, 144.40 and 144.41. The Permit is subject to EPA review at least once every five (5) years to determine if action is required under 40 CFR 144.36(a).

PART I. General Information and Description of Facility

QEP Uinta Basin, Inc.
11002 East 17500 South
Vernal, UT 84078

on

November 12, 2002

submitted an application for an Underground Injection Control (UIC) Program Permit for the following injection well or wells:

Red Wash Unit 14-24A
660 FSL 710 FWL, [NO QTR SEC] S24, T7S, R22E
Uintah County, UT

Regulations specific to Uintah-Ouray Indian Reservation injection wells are found at 40 CFR 147 Subpart TT.

The Permit application, including the required information and data necessary to issue a UIC Permit in accordance with 40 CFR Parts 144, 146 and 147, was reviewed by EPA and determined to be complete.

The Permit will expire upon delegation of primary enforcement responsibility (primacy) for applicable portions of the UIC Program to the Ute Indian Tribe or the State of Utah unless the delegated agency has the authority and chooses to adopt and enforce this Permit as a Tribal or State Permit.

TABLE 1.1 shows the status of the well or wells as "New", "Existing", or "Conversion" and for Existing shows the original date of injection operation. Well authorization "by rule" under 40 CFR Part 144 Subpart C expires automatically on the Effective Date of an issued UIC Permit.

TABLE 1.1

WELL STATUS / DATE OF OPERATION

CONVERSION WELLS

Well Name	Well Status	Date of Operation
Red Wash Unit 14-24A	Conversion	N/A

PART II. Permit Considerations (40 CFR 146.24)

Geologic Setting (TABLE 2.1)

THE UINTA FORMATION (0'-3045')

The Uinta Formation is calcareous shale, some limestone, claystone, siltstone, and sandstone. It is a fluvial facies in the eastern and western ends of the basin that interfingers with rocks similar in appearance to the overlying Duchesne River Formation. It grades laterally into thinner bedded calcareous lake deposits in the center of the basin.

The Uinta is very low to very high permeability. Largest primary intergranular permeability of the sandstone seems to be about the same as that of the median for sandstone in the Duchesne River Formation. Most of the formation is finer grained, and, therefore, of lower primary permeability than the Duchesne River Formation. Permeability is greatly increased where the Uinta Formation Is fractured. In most of the area, the formation yields only a few gallons per minute of saline water to wells and springs. In some areas the water has high fluoride and boron concentrations. Locally, flowing wells yield fresh to slightly saline water. In the fluvial facies, particularly where the rocks are fractured, yields are larger.

THE GREEN RIVER FORMATION (3045'-TD@6256')

The Green River Formation is mostly lacustrine shale that contains some limestone, marlstone, and siltstone. The formation includes beds of oil shale and of carbonate evaporite. The Green River interfingers with both the overlying Uinta and the underlying Wasatch Formations, as well as laterally with other formations near the edges of the basin.

The Green River Formation is very low to low permeability except where fractured. Sandstones near oil-shale beds have values of transmissivity from 0.9 to 2.4 sq ft/day. In most of the basin the formation yields only saline or briny water, though in and near the areas of outcrop in the southern part of the basin the water is fresh to slightly saline, and in the area of the outcrop near Strawberry Reservoir the water is fresh where the formation is fractured.

TABLE 2.1
GEOLOGIC SETTING
Red Wash Unit 14-24A

Formation Name	Top (ft)	Base (ft)	TDS (mg/l)	Lithology
Uinta	0.00	3,045.00	< 10,000.00	The Uinta Formation is calcareous shale, some limestone, claystone, siltstone, and sandstone.
Green River	3,045.00	3,725.00	< 10,000.00	The Green River Formation is mostly lacustrine shale that contains some limestone, marlstone, and siltstone.
Green River	3,725.00	6,256.00	> 10,000.00	The Green River Formation is mostly lacustrine shale that contains some limestone, marlstone, and siltstone.

Proposed Injection Zone(s) (TABLE 2.2)

An injection zone is a geological formation, group of formations, or part of a formation that receives fluids through a well. The proposed injection zones are listed in TABLE 2.2.

Injection will occur into an injection zone that is separated from USDWs by the confining zone which is free of known open faults or fractures within the Area of Review.

TABLE 2.2
INJECTION ZONES
Red Wash Unit 14-24A

Formation Name	Top (ft)	Base (ft)	TDS (mg/l)	Fracture Gradient (psi/ft)	Porosity	Exempted?*
Green River	5,032.00	5,896.00	> 10,000.00	0.733		N/A

* **C - Currently Exempted**
E - Previously Exempted
P - Proposed Exemption
N/A - Not Applicable

Confining Zone(s) (TABLE 2.3)

A confining zone is a geological formation, part of a formation, or a group of formations that limits fluid movement above the injection zone. The confining zone or zones are listed in TABLE 2.3.

TABLE 2.3
CONFINING ZONES
Red Wash Unit 14-24A

Formation Name	Formation Lithology	Top (ft)	Base (ft)
Green River	The Green River Formation is mostly lacustrine shale that contains some limestone, marlstone, and siltstone.	4,852.00	5,032.00

Underground Sources of Drinking Water (USDWs) (TABLE 2.4)

Aquifers or the portions thereof which contain less than 10,000 mg/l total dissolved solids (TDS) and are being or could in the future be used as a source of drinking water are considered to be USDWs. The USDWs in the area of this facility are identified in TABLE 2.4.

TABLE 2.4
UNDERGROUND SOURCES OF DRINKING WATER (USDW)
Red Wash Unit 14-24A

Formation Name	Formation Lithology	Top (ft)	Base (ft)	TDS (mg/l)
Uinta	The Uinta Formation is calcareous shale, some limestone, claystone, siltstone, and sandstone.	0.00	3,045.00	< 10,000.00

PART III. Well Construction (40 CFR 146.22)

TABLE 3.1
WELL CONSTRUCTION REQUIREMENTS
Red Wash Unit 14-24A

Casing Type	Hole Size (in)	Casing Size (in)	Cased Interval (ft)	Cemented Interval (ft)
Longstring	9.00	7.00	0.00 - 5,990.00	4,089.00 - 5,990.00
Surface	13.75	10.75	0.00 - 435.00	0.00 - 435.00

The approved well completion plan will be incorporated into the Permit as APPENDIX A and will be binding on the Permittee. Modification of the approved plan is allowed under 40 CFR 144.52(a)(1) provided written approval is obtained from the Director prior to actual modification.

Casing and Cementing (TABLE 3.1)
The construction plan for the well or wells proposed for conversion to an injection well was evaluated and determined to be in conformance with standard practices and guidelines that ensure well injection does not result in the movement of fluids into USDWs. Well construction and conversion details for the well or wells are shown in TABLE 3.1.

Tubing and Packer
Injection tubing is required to be installed from a packer up to the surface inside the well casing. The packer will be set above the uppermost perforation. The tubing and packer are designed to prevent injection fluid from coming into contact with the outermost casing.

Tubing-Casing Annulus (TCA)
The TCA allows the casing, tubing and packer to be pressure-tested periodically for mechanical integrity, and will allow for detection of leaks. The TCA will be filled with fresh water treated with a corrosion inhibitor or other fluid approved by the Director.

Monitoring Devices
The permittee will be required to install and maintain wellhead equipment that allows for monitoring pressures and providing access for sampling the injected fluid. Required equipment may include but is not limited to: 1) shut-off valves located at the wellhead on the injection tubing and on the TCA; 2) a flow meter that measures the cumulative volume of injected fluid; 3) fittings or pressure

gauges attached to the injection tubing and the TCA for monitoring the injection and TCA pressure; and 4) a tap on the injection line, isolated by shut-off valves, for sampling the injected fluid.

All sampling and measurement taken for monitoring must be representative of the monitored activity.

PART IV. Area of Review, Corrective Action Plan (40 CFR 144.55)

TABLE 4.1 lists the wells in the Area of Review ("AOR") and shows the well type, operating status, depth, top of casing cement ("TOC") and whether a Corrective Action Plan ("CAP") is required for the well.

Area Of Review

Applicants for Class I, II (other than "existing" wells) or III injection well Permits are required to identify the location of all known wells within the injection well's Area of Review (AOR) which penetrate the injection zone, or in the case of Class II wells operating over the fracture pressure of the formation, all known wells within the area of review that penetrate formations which may be affected by increased pressure. Under 40 CFR 146.6 the AOR may be a fixed radius of not less than one quarter (1/4) mile or a calculated zone of endangering influence. For Area Permits, a fixed width of not less than one quarter (1/4) mile for the circumscribing area may be used.

There are no wells within 1/4 mile of the injection well that penetrate the confining zone.

Corrective Action Plan

For wells in the AOR which are improperly sealed, completed, or abandoned, the applicant shall develop a Corrective Action Plan (CAP) consisting of the steps or modifications that are necessary to prevent movement of fluid into USDWs.

The CAP will be incorporated into the Permit as APPENDIX F and become binding on the permittee.

TABLE 4.1 lists the wells in the AOR, and shows the well type, operating status, depth, top of casing cement and whether a CAP is required for this well.

PART V. Well Operation Requirements (40 CFR 146.23)

TABLE 5.1
INJECTION ZONE PRESSURES
Red Wash Unit 14-24A

Formation Name	Depth Used to Calculate MAIP (ft)	Fracture Gradient (psi/ft)	Initial MAIP (psi)
Green River	5,032.00	0.733	1,495

Approved Injection Fluid

The approved injection fluid is limited to fluids which meet requirements pursuant to 40 CFR § 144.6(b). For disposal wells injecting water brought to the surface in connection with natural gas storage operations, or conventional oil or natural gas production, the fluid may be commingled and the well used to inject other Class II wastes such as drilling fluids and spent well completion, treatment and stimulation fluid. Non-exempt wastes, including unused fracturing fluids or acids, gas plant cooling tower cleaning wastes, service wastes and vacuum truck wastes, are not approved.

This well is NOT approved for commercial brine injection, industrial waste fluid disposal or injection of hazardous waste as defined by CFR 40 Part 261.

Injection Pressure Limitation

Injection pressure, measured at the wellhead, shall not exceed a maximum calculated to assure that the pressure used during injection does not initiate new fractures or propagate existing fractures in the confining zones adjacent to the USDWs.

The applicant submitted injection fluid density and injection zone data which was used to calculate a formation fracture pressure and to determine the maximum allowable injection pressure (MAIP), as measured at the surface, for this Permit,

TABLE 5.1 lists the fracture gradient for the injection zone and the approved MAIP, determined according to the following formula:

$$FP = [fg - (0.433 * sg)] * d$$

FP = formation fracture pressure (measured at surface)
fg = fracture gradient (from submitted data or tests)
sg = specific gravity (of injected fluid)
d = depth to top of injection zone (or top perforation)

Injection Volume Limitation

Cumulative injected fluid volume limits are set to assure that injected fluids remain within the boundary of the exempted area. Cumulative injected fluid volume is limited when injection occurs into an aquifer that has been exempted from protection as a USDW.

Mechanical Integrity (40 CFR 146.8)

An injection well has mechanical integrity if:

1. there is no significant leak in the casing, tubing, or packer (Part I); and
2. there is no significant fluid movement into a USDW through vertical channels adjacent to the injection well bore (Part II).

The Permit prohibits injection into a well which lacks mechanical integrity.

The Permit requires that the well demonstrate mechanical integrity prior to injection and periodically thereafter. A demonstration of mechanical integrity includes both internal (Part I) and external (Part II). The methods and frequency for demonstrating Part I and Part II mechanical integrity are dependent upon well-specific conditions as explained below.

Well construction and site-specific conditions dictate the following requirements for Mechanical

Integrity (MI) demonstrations:

Part I MI - Internal MI will be demonstrated prior to beginning injection. Since this well is constructed with a standard casing, tubing, and packer configuration, a successful test is required to take place at least once every five (5) years. A successful demonstration of Part I MI is also required prior to resuming injection following any workover operation that affects the casing, tubing, or packer.

Part II MI - Cement records for this injection well show that the 7" casing was cemented with 400 sx of cement. However, the CBL conducted on August 26, 2005, does not confirm that this cement meets or exceeds minimum requirements needed to demonstrate zone isolation (at least 33 feet of continuous 80% bond, or better) through the confining interval 4852'-5891'. Therefore, a Radioactive Tracer Survey shall be used to successfully confirm Part II MI prior to beginning injection and at least once every five years following the date of the last successful demonstration of Part II MI. This log will be designed to prove that injected fluid does not migrate out of the injection interval through channels between the casing and the open hole.

PART VI. Monitoring, Recordkeeping and Reporting Requirements

Injection Well Monitoring Program

At least once a year the permittee must analyze a sample of the injected fluid for total dissolved solids (TDS), specific conductivity, pH, and specific gravity. This analysis shall be reported to EPA annually as part of the Annual Report to the Director. Any time a new source of injected fluid is added, a fluid analysis shall be made of the new source.

Instantaneous injection pressure, injection flow rate, cumulative fluid volume and TCA pressures must be observed on a weekly basis. A recording, at least once every thirty (30) days, must be made of the injection pressure, injection flow rate and cumulative fluid volume, and the maximum and average value for each must be determined for each month. This information is required to be reported annually as part of the Annual Report to the Director.

PART VII. Plugging and Abandonment Requirements (40 CFR 146.10)

Plugging and Abandonment Plan

Prior to abandonment, the well or wells must be plugged with cement in a manner which will not allow the movement of fluids either into or between USDWs. The plugging and abandonment plan is described in Appendix E of the Permit.

PART VIII. Financial Responsibility (40 CFR 144.52)

Demonstration of Financial Responsibility

The permittee is required to maintain financial responsibility and resources to close, plug, and abandon the underground injection operation in a manner prescribed by the Director. The permittee shall show evidence of such financial responsibility to the Director by the submission of a surety bond, or other adequate assurance such as financial statements or other materials acceptable to the Director. The Regional Administrator may, on a periodic basis, require the holder of a lifetime permit to submit a revised estimate of the resources needed to plug and abandon the well to reflect inflation of such costs, and a revised demonstration of financial responsibility if necessary. Initially, the operator has chosen to demonstrate financial responsibility

with:

Surety Bond, received April 11, 2003

Evidence of continuing financial responsibility is required to be submitted to the Director annually.

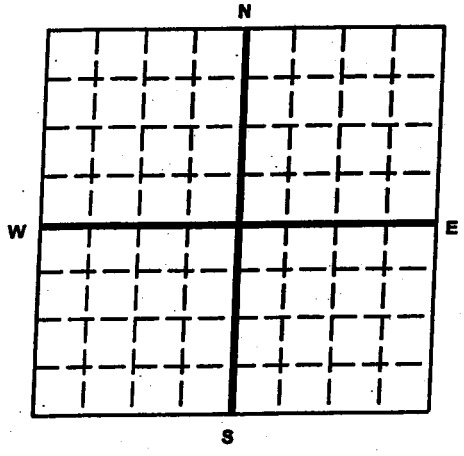
Form Approved OMB No. 2040-0042

United States Environmental Protection Agency
Washington, DC 20460

Application To Transfer Permit

Name and Address of Existing Permittee	Name and Address of Surface Owner

Locate Well and Outline Unit on Section Plat - 640 Acres



State	County	Permit Number

Surface Location Description

____ 1/4 of ____ 1/4 of ____ 1/4 of ____ 1/4 of Section ____ Township ____ Range ____

Locate well in two directions from nearest lines of quarter section and drilling unit

Surface Location ____ ft. frm (N/S) ____ Line of quarter section and ____ ft. from (E/W) ____ Line of quarter section.

Well Activity	Well Status	Type of Permit
____ Class I	____ Operating	____ Individual
____ Class II	____ Modification/Conversion	____ Area
____ Brine Disposal	____ Proposed	Number of Wells ____
____ Enhanced Recovery		
____ Hydrocarbon Storage		
____ Class III		
____ Other		

Lease Number Well Number

Name(s) and Address(es) of New Owner(s)	Name and Address of New Operator

Attach to this application a written agreement between the existing and new permittee containing a specific date for transfer of permit responsibility, coverage, and liability betweend them.

The new permittee must show evidence of financial responsibility by the submission of a surety bond, or other adequate assurance, such as financial statements or other materials acceptable to the Director.

Certification

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR

Name and Official Title *(Please type or print)*	Signature	Date Signed

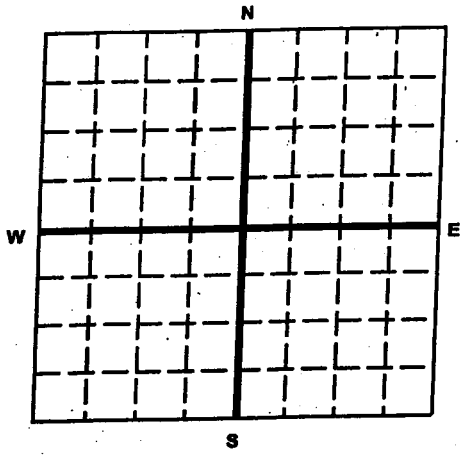
Form Approved OMB No. 2040-0042

United States Environmental Protection Agency
Washington, DC 20460

ANNUAL DISPOSAL/INJECTION WELL MONITORING REPORT

Name and Address of Existing Permittee	Name and Address of Surface Owner

Locate Well and Outline Unit on Section Plat - 640 Acres



State	County	Permit Number

Surface Location Description

____ 1/4 of ____ 1/4 of ____ 1/4 of ____ 1/4 of Section ____ Township ____ Range ____

Locate well in two directions from nearest lines of quarter section and drilling unit

Surface Location ____ ft. frm (N/S) ____ Line of quarter section and ____ ft. from (E/W) ____ Line of quarter section.

WELL ACTIVITY
- ☐ Brine Disposal
- ☐ Enhanced Recovery
- ☐ Hydrocarbon Storage

TYPE OF PERMIT
- ☐ Individual
- ☐ Area

Number of Wells ____

Lease Name Well Number

	INJECTION PRESSURE		TOTAL VOLUME INJECTED		TUBING -- CASING ANNULUS PRESSURE (OPTIONAL MONITORING)	
MONTH YEAR	AVERAGE PSIG	MAXIMUM PSIG	BBL	MCF	MINIMUM PSIG	MAXIMUM PSIG

Certification

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32)

Name and Official Title *(Please type or print)*	Signature	Date Signed

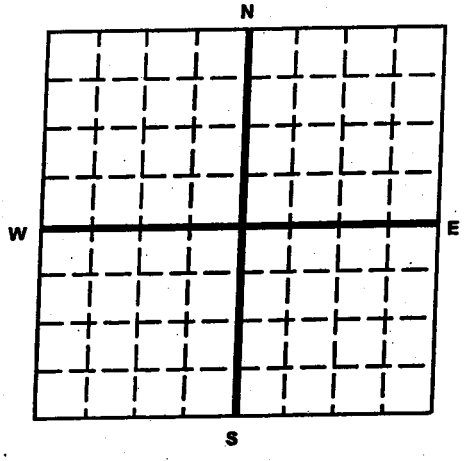
Form Approved OMB No. 2040-0042

United States Environmental Protection Agency
Washington, DC 20460

PLUGGING AND ABANDONMENT PLAN

Name and Address of Facility	Name and Address of Owner/Operator

Locate Well and Outline Unit on Section Plat - 640 Acres



State	County	Permit Number

Surface Location Description

____ 1/4 of ____ 1/4 of ____ 1/4 of ____ 1/4 of Section ____ Township ____ Range ____

Locate well in two directions from nearest lines of quarter section and drilling unit

Surface Location ____ ft. frm (N/S) ____ Line of quarter section and ____ ft. from (E/W) ____ Line of quarter section.

TYPE OF AUTHORIZATION

- ☐ Individual Permit
- ☐ Area Permit
- ☐ Rule

Number of Wells ____

Lease Name

WELL ACTIVITY

- ☐ CLASS I
- ☐ CLASS II
  - ☐ Brine Disposal
  - ☐ Enhanced Recovery
  - ☐ Hydrocarbon Storage
- ☐ CLASS III

Well Number

CASING AND TUBING RECORD AFTER PLUGGING

SIZE	WT (LB/FT)	TO BE PUT IN WELL (FT)	TO BE LEFT IN WELL (FT)	HOLE SIZE

METHOD OF EMPLACEMENT OF CEMENT PLUGS

- ☐ The Balance Method
- ☐ The Dump Bailer Method
- ☐ The Two-Plug Method
- ☐ Other

CEMENTING TO PLUG AND ABANDON DATA:	PLUG #1	PLUG #2	PLUG #3	PLUG #4	PLUG #5	PLUG #6	PLUG #7
Size of Hole or Pipe in which Plug Will Be Placed (inche							
Depth to Bottom of Tubing or Drill Pipe (ft							
Sacks of Cement To Be Used (each plug)							
Slurry Volume To Be Pumped (cu. ft.)							
Calculated Top of Plug (ft.)							
Measured Top of Plug (if tagged ft.)							
Slurry Wt. (Lb./Gal.)							
Type Cement or Other Material (Class III)							

LIST ALL OPEN HOLE AND/OR PERFORATED INTERVALS AND INTERVALS WHERE CASING WILL BE VARIED (If any)

From	To	From	To

Estimated Cost to Plug Wells

Certification

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32)

Name and Official Title *(Please type or print)*	Signature	Date Signed

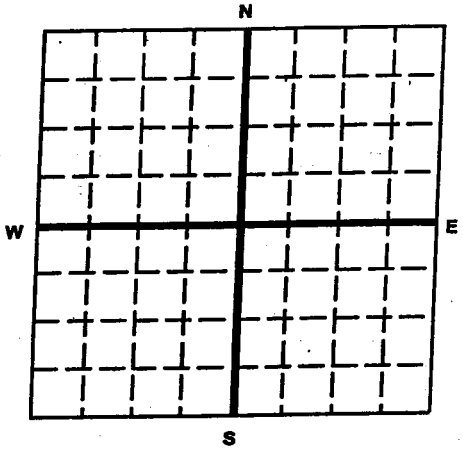
Form Approved OMB No. 2040-0042

United States Environmental Protection Agency
Washington, DC 20460

WELL REWORK RECORD

Name and Address of Permittee	Name and Address of Contractor

Locate Well and Outline Unit on Section Plat - 640 Acres



State	County	Permit Number

Surface Location Description

____ 1/4 of ____ 1/4 of ____ 1/4 of ____ 1/4 of Section ____ Township ____ Range ____

Locate well in two directions from nearest lines of quarter section and drilling unit

Surface Location ____ ft. frm (N/S) ____ Line of quarter section and ____ ft. from (E/W) ____ Line of quarter section.

WELL ACTIVITY	Total Depth Before Rework	TYPE OF PERMIT
☐ Brine Disposal ☐ Enhanced Recovery ☐ Hydrocarbon Storage	Total Depth After Rework	☐ Individual ☐ Area Number of Wells ____
Lease Name	Date Rework Commenced	Well Number
	Date Rework Completed	

WELL CASING RECORD -- BEFORE REWORK

Casing		Cement		Perforations		Acid or Fracture Treatment Record
Size	Depth	Sacks	Type	From	To	

WELL CASING RECORD -- AFTER REWORK *(Indicate Additions and Changes Only)*

Casing		Cement		Perforations		Acid or Fracture Treatment Record
Size	Depth	Sacks	Type	From	To	

DESCRIBE REWORK OPERATIONS IN DETAIL USE ADDITIONAL SHEETS IF NECESSARY	WIRE LINE LOGS, LIST EACH TYPE	
	Log Types	Logged Intervals

Certification

I certify under the penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment. (Ref. 40 CFR 144.32)

Name and Official Title *(Please type or print)*	Signature	Date Signed

EPA Form 7520-12

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION VIII
999 18th STREET - SUITE 300
DENVER, COLORADO 80202-2466

SUBJECT: **GROUND WATER SECTION GUIDANCE NO. 34**
Cement bond logging techniques and interpretation

FROM: Tom Pike, Chief
UIC Direct Implementation Section

TO: All Section Staff
Montana Operations Office

These procedures are to be followed when running and interpreting cement bond logs for injection and production (area of review) wells.

PART I - PREPARE THE WELL

Allow cement to cure for a sufficient time to develop full compressive strength. A safe bet is to let the cement cure for 72 hours. If you run the bond log before the cement achieves its maximum compressive strength, the log may show poor bonding. Check cement handbooks for curing times.

Circulate the hole with a fluid (either water or mud) of uniform consistency. Travel times are influenced by the type of fluid in the hole. If the fluid changes between two points, the travel times may "drift," causing difficulty in interpretation and quality control.

Be prepared to run the cement bond log under pressure to reduce the effects of micro-annulus. Micro-annulus may be caused by several reasons, but the existence of a micro-annulus does not necessarily destroy the cement's ability to form a hydraulic seal. If the log shows poor bonding, rerun the log with the slightly more pressure on the casing as was present when the cement cured. This will cause the casing to expand against the cement and close the micro-annulus.

PART II - PARAMETERS TO LOG

Amplitude (mV) - This curve shows how much acoustic signal reaches a receiver and is an important indicator of cement bond. Record the amplitude on the 3 foot spaced receiver.

Travel time (μs) - This curve shows the amount of time it takes an acoustic signal to travel between the source and a receiver. For free pipe of a given size and weight, the travel time between points is very predictable, although

variable among different company's tools. Service companies should be able to provide accurate estimates of travel times for free pipe of a given size and weight. Travel time is required as a quality control measurement. Record the travel time on the 3 foot spaced receiver.

Variable density (VDL) - Pipe signals, formation signals, and fluid signals are usually easy to recognize on the VDL. If these signals can be identified, a practical determination for the presence or absence of cement can be made. VDL is logged on the 5 foot spaced receiver.

Casing collar locator (CCL) - Used to correlate the bond log with cased hole logs and to match casing collars with the collars that show up on the VDL portion of the display.

Gamma ray - Used to correlate the bond log with other logs.

PART III - LOGGING TECHNIQUE

Calibrate the tool in free pipe at the shop, prior to, and following the log run. Include calibration data with log.

Run receivers spaced 3 feet and 5 feet from transmitter.

Run at least 3 bow-type or rigid aluminum centralizers in vertical holes, 6 centralizers in directional holes. A CCL is not an adequate centralizer.

Complete log header with casing/cement data, tool/panel data, gate settings and tool sketch showing centralizers.

Set the amplitude gate so that skipping does not occur at amplitudes greater than 5 mV.

Record amplitude with fixed gate and note position on log.

Record amplified amplitude on a 5X scale for low amplitudes.

Record amplitude and travel time on the 3 foot receiver.

Record travel time on a 100 µs scale (150 - 250, 200 - 300).

Logging speed should be approximately 30 ft/min.

Log repeat sections.

PART IV - QUALITY CONTROL

Compare the tool calibration data to see if the tool "drifts" during logging. Differences in the calibration data may require you to re-log the well to obtain reliable data.

Compare repeat sections to see if logging results are repeatable.

Check the logged free pipe travel times with the service company charts for the specific tool and casing size used. Since the travel times depend on such factors as casing weight, type of fluid in the hole, etc., these charts should be used only as guidelines. When you are confident of the free-pipe travel times as seen on the log, use them. When interpreting the log, a decrease in travel time (faster times) with simultaneous reduction of amplitude may show a de-centered tool. A 4 to 5 micro-second (μs) decrease in travel time corresponds to about a 35% loss of amplitude. A decrease in travel time more than 4 to 5 μs is unacceptable.

PART V - LOG INTERPRETATION

Do not rely on the service company charts for amplitudes corresponding to a good bond. These amplitudes depend on many factors: type of cement used, fluid in the hole, etc.

To estimate bond index, choose intervals on the log that correspond to 0% bond and 100% bond. Read the amplitude corresponding to 100% bond from the best-bonded interval on the log (NOTE: the accuracy of this amplitude reading is very critical to the bond index calculations). Next, find the amplitude corresponding to 0% bond. Some bond logs may not include a section with free pipe. In this instance, choose the appropriate free-pipe travel time from the service company charts for your specific tool, or from the generalized chart (TABLE 2) at the end of this guidance. To calculate a bond index of 80%, use the following equation:

$$A_{80} = 10^{[(0.2)\log(A_0) + (0.8)\log(A_{100})]}$$

where:

A_{80} = Amplitude at 80% bond (mV)
A_0 = Amplitude at 0% bond (mV)

A_{100} = Amplitude at 100% bond (mV)

EXAMPLE:

As an example, consider a bond log showing the following conditions:

- Free pipe (0% bond) amplitude at 81 mV.
- 100 % bond amplitude at 1 mV.

Substituting the above values into the equation results in:

$$A_{80} = 10^{[(0.2)\log(81) + (0.8)\log(1)]}$$

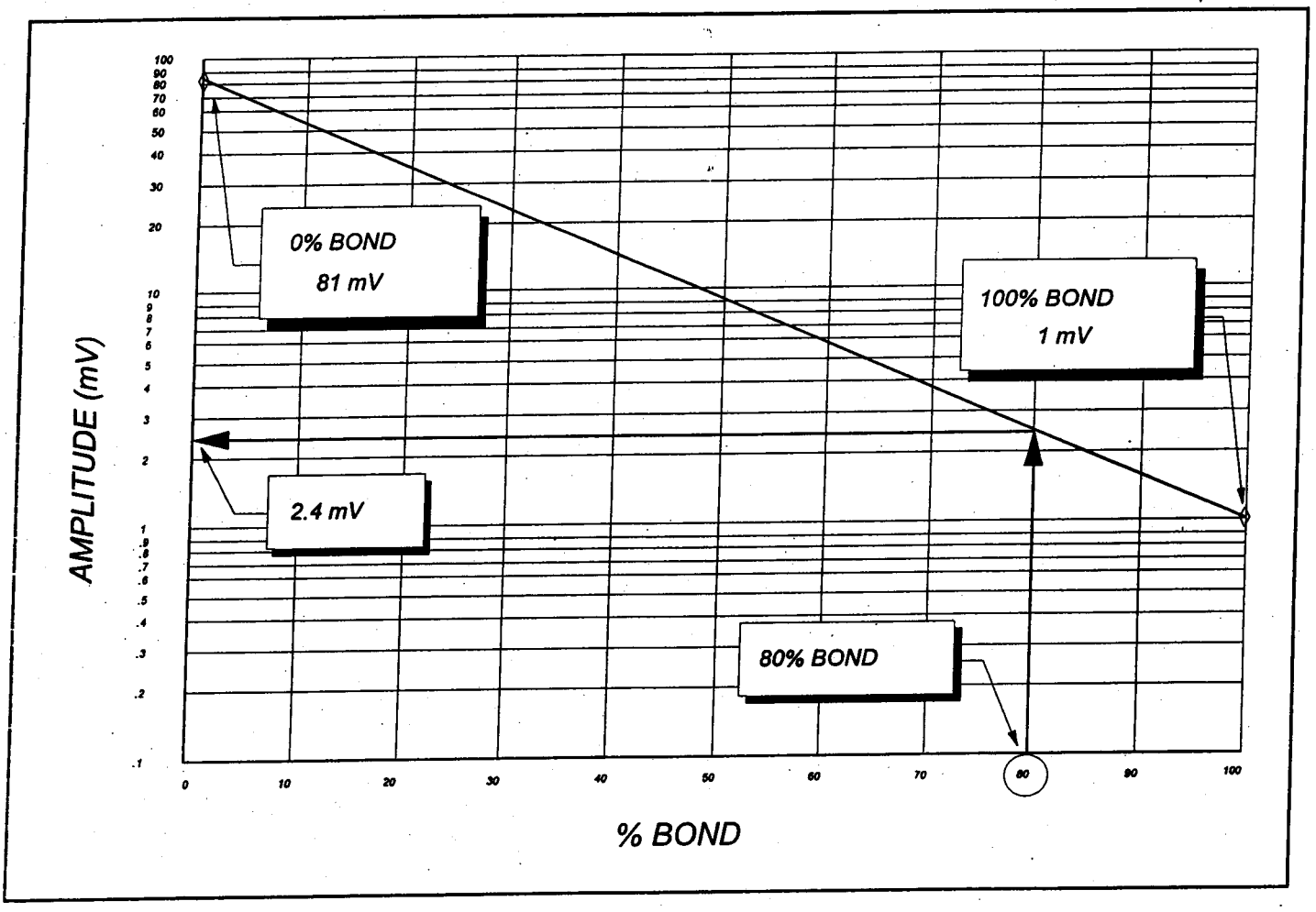
$$A_{80} = 2.41mV$$

Another way to calculate the amplitude at 80% bond is by plotting these same log readings on a semi-log chart.

Plot the values for 0% Bond and 100% Bond vs. their respective Amplitudes on a semi-log chart - amplitudes on the log scale (y-axis), and bond indices on the linear scale (x-axis). Then, connect the points with a straight line.

To estimate the amplitude corresponding to an 80% Bond Index, enter the graph on the x-axis at 80% bond. Draw a straight line upward until you reach the diagonal line connecting the 0% and 100% points. Continue by drawing a horizontal line to the y-axis. This point on the y-axis is the amplitude corresponding to an 80% Bond Index.

Using the values from the example above, your chart will look like that shown below:



In this example, <u>80% bond shows an amplitude of 2.4 mV</u>.

A convenient way to evaluate the log is to draw a line on the bond log's **amplified** amplitude (5X) track corresponding to the calculated 80% bond amplitude. Whenever the logged **amplified** amplitude (5X) curve drops below (to the left of) the drawn line, this indicates a bond of 80% or more.

PART IV - CONCLUSIONS - REMINDERS

Different pipe weights and cement types will affect the log readings, so be mindful of these factors in wells with varying pipe weights and staged cement or squeeze jobs.

Collars generally do not show up on the VDL track in well-bonded sections of casing.

Longer (slower) travel time due to cycle skipping or cycle stretch usually suggests good bonding.

Shorter (faster) travel times indicate a de-centered tool or a fast formation and will provide erroneous amplitude readings that make evaluation impossible through that section of the log. Fast formations do not assure that the cement contacts the formation all around the borehole.

Although the bond index is important, you should not base your assessment of the cement quality on that one factor alone. You should use the VDL to support any indication of bonding. Also, you must know how each portion of the CBL (VDL, travel time, amplitude, etc.) influences another.

Most 3'-5' CBL's cannot identify a 1/2" channel in cement. Therefore, you also need to consider the thickness of a cemented section needed to provide zone isolation. For adequate isolation in injection wells, the log should indicate a continuous 80% or greater bond through the following intervals as seen in TABLE 1, below:

TABLE 1 - INTERVALS FOR ADEQUATE BOND

PIPE DIAMETER (in)	CONTINUOUS INTERVAL WITH BOND ≥ 80% (ft)
4-1/2	15
5	15
5-1/2	18
7	33
7-5/8	36
9-5/8	45
10-3/4	54

Adequately bonded cement by itself will not prevent fluid movement. If the bond log shows adequate bond through an interval where the geology allows fluid to move (permeable and/or fractured zones), fluids may move around perfectly bonded cement by travelling through the formation. Always cross-check your bond log with open hole logs to see that you have adequate bonding through the proper interval(s).

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION VIII
999 18th STREET - SUITE 300
DENVER, COLORADO 80202-2466

SUBJECT: **GROUND WATER SECTION GUIDANCE NO. 35**
Procedures to follow when excessive annular pressure is observed on a well.

FROM: Tom Pike, Chief
UIC Direct Implementation Section

TO: All Section Staff
Montana Operations Office

The following procedure is intended as an aid to UIC field inspectors when they encounter excessive annular pressure on a well. Excessive annular pressure is defined as 100 psi or 10% of the tubing pressure, whichever is less.

Usually, annular pressure is a direct indication of a loss of mechanical integrity. In some instances, recurring annular pressure may be caused by fluctuations in the temperature of the injected fluid. These temperature fluctuations may cause the annular pressure to increase when a hot fluid is being injected and decrease as the temperature of the injected fluid cools. The presence of temperature-induced pressure on the annulus does not indicate a malfunction in the casing/tubing/packer system and is not considered a loss of mechanical integrity. Wells exhibiting recurring temperature-induced annular pressure may be allowed to continue injecting if a temperature monitoring program is approved and followed.

This guidance was written to help determine the cause of annular pressure. When the procedures in this guidance are followed, any major mechanical integrity problems (a breech in the casing/tubing/packer system) will become apparent quickly. A quick determination will allow the operator to begin follow-up procedures immediately to prevent contamination to USDWs.

Use Section Guidance No. 35 to determine <u>if</u> the well has experienced a loss of mechanical integrity. If you find that there <u>is</u> a loss of mechanical integrity, use *Headquarters Guidance No. 76. - Follow-up to loss of Mechanical Integrity for Class II Wells* to bring the well back into compliance. The use of Section Guidance No. 35 is not to be confused with, nor does it supersede any provision of Headquarters Guidance No. 76. Instead, the two guidance documents are meant to work together to identify and to remedy any potential mechanical integrity failure.

A flowchart for Section Guidance No. 35 is included for quick reference in the field.

TABLE 2 - TRAVEL TIMES AND AMPLITUDES FOR FREE PIPE
(3 FT RECEIVER)

CASING SIZE (in)	CASING WEIGHT (lb/ft)	TRAVEL TIME (μs)		AMPLITUDE (mV)
		1-11/16" TOOL	3-5/8" TOOL	
4-1/2	9.5	252	233	81
	11.6	250	232	81
	13.5	249	230	81
5	15.0	257	238	76
	18.0	255	236	76
	20.3	253	235	76
5-1/2	15.5	266	248	72
	17.0	265	247	72
	20.0	264	245	72
	23.0	262	243	72
7	23.0	291	271	62
	26.0	289	270	62
	29.0	288	268	62
	32.0	286	267	62
	35.0	284	265	62
	38.0	283	264	62
7-5/8	26.4	301	281	59
	29.7	299	280	59
	33.7	297	278	59
	39.0	295	276	59
9-5/8	40.0	333	313	51
	43.5	332	311	51
	47.0	330	310	51
	53.5	328	309	51
10-3/4	40.5	354	333	48
	45.5	352	332	48
	51.0	350	330	48
	55.5	349	328	48

PROCEDURES TO FOLLOW WHEN EXCESSIVE ANNULAR PRESSURE IS OBSERVED

During field inspections, the following procedures should be followed when excessive annular pressure is observed. Excessive annular pressure is defined as 100 psi or 10% of the tubing pressure, whichever is less.

<table>
<tr><td>Note Conditions at the Well</td><td colspan="2">Note tubing and annular pressure readings, and the operating status of the well (injecting, shut-in, etc.) on the UIC inspection form.</td></tr>
<tr><td>See If Annulus Pressure Will Bleed-off</td><td colspan="2">Attempt to bleed the pressure from the annulus by having the operator open the annulus (for a maximum of sixty seconds). It is the operator's responsibility to collect and dispose of any fluids bled from the annulus.</td></tr>
<tr><td rowspan="2">Did the Annular Pressure Bleed to 0 Psi Within Sixty Seconds?</td><td>YES</td><td>NO</td></tr>
<tr><td>Have the operator close the annulus.

On your inspection form note the volume of fluid (or gas) bled from the annulus during the sixty seconds, and the tubing and annulus pressures.</td><td>Have the operator close the annulus.

On your inspection form note the volume of fluid (or gas) bled from the annulus during the sixty seconds, and the tubing and annulus pressures.

Have the operator shut the well in for 2 hours, and if possible, bleed pressure from the injection tubing. Record the tubing and annulus pressure after two hours.

Bleed off the annulus for 60 seconds. Record the tubing and annulus pressures after bleed-off, and estimate the volume bled off.

INFORM THE OPERATOR THAT THE WELL HAS AN APPARENT MECHANICAL INTEGRITY FAILURE and provide the operator with the guidance that discusses OPERATOR RESPONSIBILITIES FOLLOWING MECHANICAL INTEGRITY FAILURES.

END PROCEDURE.</td></tr>
<tr><td>See If Pressure Returns Within 15 Minutes</td><td colspan="2">Continue to monitor the well for annulus pressure return for at least 15 minutes after the annulus valve is closed.</td></tr>
</table>

Does Pressure Return to the Annulus after 15 Minutes?	YES On your inspection form, note the annulus and tubing pressures recorded after 15 minutes. Have the operator shut the well in for 2 hours, and if possible, bleed pressure from the injection tubing. Record the tubing and annulus pressure after two hours. Bleed off the annulus for 60 seconds. Record the tubing and annulus pressures after bleed-off, and estimate the volume bled off. INFORM THE OPERATOR THAT THE WELL HAS AN APPARENT MECHANICAL INTEGRITY FAILURE and provide the operator with the guidance that discusses OPERATOR RESPONSIBILITIES FOLLOWING MECHANICAL INTEGRITY FAILURES. **END PROCEDURE.**	NO Require the operator to monitor and report to EPA with the annulus and tubing pressures for at least 14 days to see if pressure returns to the annulus. Instruct the operator to contact EPA as soon as any pressure returns to the annulus.
DOES PRESSURE RETURN TO THE ANNULUS WITHIN 14 DAYS?	YES EPA Technical Expert will design a proper Mechanical Integrity test. Compliance officer will require the operator to conduct the test within 14 days.	NO The well is considered to have mechanical integrity. **END PROCEDURE.**
Does the Well Pass the MIT?	YES Require the operator to monitor and report to EPA with the annulus and tubing pressures for at least 14 days to see if pressure returns to the annulus.	NO INFORM THE OPERATOR THAT THE WELL HAS AN APPARENT MECHANICAL INTEGRITY FAILURE and provide the operator with the guidance that discusses OPERATOR RESPONSIBILITIES FOLLOWING MECHANICAL INTEGRITY FAILURES.

	Instruct the operator to contact EPA as soon as any pressure returns to the annulus.	**END PROCEDURE.**
Does Pressure Return to the Annulus Within 14 Days?	YES EPA Technical Expert will design a proper Monitoring Program to determine the cause of recurrent annular pressure. Compliance officer will require the operator to begin the Monitoring program within 14 days. Conduct unannounced inspections at the well during the Monitoring Program.	NO The well is considered to have mechanical integrity. **END PROCEDURE.**
Is the Annulus Pressure Caused by Temperature?	YES EPA Technical Expert will design a proper Temperature Monitoring Program that allows injection to continue while tracking relationship between temperature and recurrent annulus pressure. Compliance officer will require the operator to cease injection immediately if the operator fails to follow the Temperature Monitoring Program. Compliance officer will require the operator to cease injection immediately if recurrent annular pressures cannot be explained by the results of the Temperature Monitoring Program. Compliance officer will require annual Mechanical Integrity Tests using the standard pressure method.	NO INFORM THE OPERATOR THAT THE WELL HAS AN APPARENT MECHANICAL INTEGRITY FAILURE and provide the operator with the guidance that discusses OPERATOR RESPONSIBILITIES FOLLOWING MECHANICAL INTEGRITY FAILURES. **END PROCEDURE.**

14-DAY PRESSURE MONITORING

Please use this form to report data for a 14-day period after pressure is bled from the tubing-casing annulus. Please telephone EPA in Denver as soon as possible when/if pressure returns to the annulus. This data will be used to determine the cause(s) of recurrent annular pressure.

NOTE: DO NOT BLEED PRESSURE FROM ANNULUS DURING THE 14-DAY MONITORING PERIOD.

	DATE	TIME	ANNULUS PRESSURE (psi)	TUBING PRESSURE (psi)	WELL INJECTING (YES/NO)
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					

WELL NAME: _____

OPERATOR: _____

SIGNATURE: _____ DATE: _____

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION VIII
999 18th STREET - SUITE 300
DENVER, COLORADO 80202-2466

SUBJECT: GROUND WATER SECTION GUIDANCE NO. 37
Demonstrating Part II (external) Mechanical Integrity for a Class II injection well permit.

FROM: Tom Pike, Chief
UIC Direct Implementation Section

TO: All Section Staff
Montana Operations Office

During the review for a Class II injection well permit, consideration must be given to the mechanical integrity (MI) of the well. MI demonstrates that the well is in sound condition and that the well is constructed in a manner that prevents injected fluids from entering any formation other than the authorized injection formation.

A demonstration of MI is a two part process:

PART I - **INTERNAL MECHANICAL INTEGRITY** is an assurance that there are no significant leaks in the casing/tubing/packer system.

PART II - **EXTERNAL MECHANICAL INTEGRITY** demonstrates that after fluid is injected into the formation, the injected fluids will not migrate out of the authorized injection interval through vertical channels adjacent to the wellbore.

A Class II injection well may demonstrate Part II MI by showing that injected fluids remain within the authorized injection interval. This may be accomplished as follows:

1) Cement bond log showing 80% bond through the an appropriate interval (Section Guidance 34),

2) Radioactive tracer survey conducted according to a EPA-approved procedure, or

3) Temperature survey conducted according to a EPA-approved procedure (Section Guidance 38).

For each test option above, the operator of the injection well should submit a plan for conducting the test. The plan will then be approved (or modified and approved) by EPA. EPA's pre-approval of the testing method will assure the operator that the

test is conducted consistent with current EPA guidance, and that the test will provide meaningful results.

Part II MI may be demonstrated either before or after issuing the Final Permit. However, if Part II is to be demonstrated after the Final Permit is issued, a provision in the permit will require the demonstration of Part II MI. The well will also be required to pass Part II MI prior to granting authorization to inject.

Radioactive tracer surveys and temperature surveys require that the well be allowed to inject fluids as part of the procedure. In these cases, a well that has shown no other demonstration of Part II MI will be allowed to inject only that volume of fluid that is necessary to conduct the appropriate test.

After the results of the test proves that the well has passed Part II MI, the well will be given authorization to begin full injection operations.

If any of the tests show a lack of Part II MI, the well will be repaired and retested, or plugged (See Headquarters Guidance #76).

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION VIII
999 18th STREET - SUITE 300
DENVER, COLORADO 80202-2466

SUBJECT: GROUND WATER SECTION GUIDANCE NO. 39
Pressure testing injection wells for Part I (internal) Mechanical Integrity

FROM: Tom Pike, Chief
UIC Direct Implementation Section

TO: All Section Staff
Montana Operations Office

Introduction

The Underground Injection Control (UIC) regulations require that an injection well have mechanical integrity at all times (40 CFR 144.28 (f)(2) and 40 CFR 144.51 (q)(1)). A well has mechanical integrity (40 CFR 146.8) if:

(1) There is no significant leak in the tubing, casing or packer; and

(2) There is no significant fluid movement into an underground source of drinking water (USDW) through vertical channels adjacent to the injection wellbore.

Definition: Mechanical Integrity Pressure Test for Part I. A pressure test used to determine the integrity of all the down hole components of an injection well, usually tubing, casing and packer. It is also used to test tubing cemented in the hole by using a tubing plug or retrievable packer. Pressure tests must be run at least once every five years. **If for any reason the tubing/packer is pulled, the injection well is required to pass another mechanical integrity test of the tubing casing and packer prior to recommencing injection regardless of when the last test was conducted. Tests run by operators in the absence of an EPA inspector must be conducted according to these procedures and recorded on either the attached form or an equivalent form containing the necessary information. A pressure recording chart documenting the actual annulus test pressures must be attached to the form.**

This guidance addresses making a determination of Part I of Mechanical Integrity (no leaks in the tubing, casing or packer). The Region's policy is: 1) to determine if there are significant leaks in the tubing, casing or packer; 2) to assure that the casing can withstand pressure similar to that which

would be applied if the tubing or packer fails; 3) to make the Region's test procedure consistent with the procedures utilized by other Region VIII Primacy programs; and 4) to provide a procedure which can be easily administered and is applicable to all class I and II wells. Although there are several methods allowed for determining mechanical integrity, the principal method involves running a pressure test of the tubing/casing annulus. Region VIII's procedure for running a pressure test is intended to aid UIC field inspectors who witness pressure tests for the purpose of demonstrating that a well has Part I of Mechanical Integrity. The guidance is also intended as a means of informing operators of the procedures required for conducting the test in the absence of an EPA inspector.

Pressure Test Description

Test Frequency

The mechanical integrity of an injection well must be maintained at all times. Mechanical integrity pressure tests are required at least every five (5) years. **If for any reason the tubing/packer is pulled, however, the injection well is required to pass another mechanical integrity test prior to recommencing injection regardless of when the last test was conducted. The Regional UIC program must be notified of the workover and the proposed date of the pressure test. The well's test cycle would then start from the date of the new test if the well passes the test and documentation is adequate.** Tests may be required on a more frequent basis depending on the nature of the injectate and the construction of the well (see Section guidance on MITs for wells with cemented tubing and regulations for Class I wells).

Region VIII's criteria for well testing frequency is as follows:

1. Class I hazardous waste injection wells; initially [40 CFR 146.68(d)(1)] and annually thereafter;

2. Class I non-hazardous waste injection wells; initially and every two (2) years thereafter, except for old permits (such as the disposal wells at carbon dioxide extraction plants which require a test at least every five years);

3. Class II wells with tubing, casing and packer; initially and at least every five (5) years thereafter;

4. Class II wells with tubing cemented in the hole; initially and every one (1) or two (2) years thereafter

depending on well specific conditions (See Region VIII UIC Section Guidance #36);

5. Class II wells which have been temporarily abandoned (TAd) must be pressure tested after being shut-in for two years; and

6. Class III uranium extraction wells; initially.

Test Pressure

To assure that the test pressure will detect significant leaks and that the casing is subjected to pressure similar to that which would be applied if the tubing or packer fails, the tubing/casing annulus should be **tested at a pressure equal to the maximum allowed injection pressure or 1000 psig whichever is less. The annular test pressure must, however, have a difference of at least 200 psig either greater or less than the injection tubing pressure. Wells which inject at pressures of less than 300 psig must test at a minimum pressure of 300 psig, and the pressure difference between the annulus and the injection tubing must be at least 200 psi.**

Test Criteria

1. The duration of the pressure test is 30 minutes.

2. Both the annulus and tubing pressures should be monitored and recorded every five (5) minutes.

3. If there is a pressure change of 10 percent or more from the initial test pressure during the 30 minute duration, the well has failed to demonstrate mechanical integrity and should be shut-in until it is repaired or plugged.

4. A pressure change of 10 percent or more is considered significant. If there is no significant pressure change in 30 minutes from the time that the pressure source is disconnected from the annulus, the test may be completed as passed.

Recordkeeping and Reporting

The test results must be recorded on the attached form. The annulus pressure should be recorded at five (5) minute intervals. Tests run by operators in the absence of an EPA inspector must be conducted according to these procedures and recorded on the attached form or an equivalent form and a pressure recording

chart documenting the actual annulus test pressures must be attached to the submittal. The tubing pressure at the beginning and end of each test must be recorded. The volume of the annulus fluid bled back at the surface after the test should be measured and recorded on the form. This can be done by bleeding the annulus pressure off and discharging the associated fluid into a five gallon container. The volume information can be used to verify the approximate location of the packer.

Procedures for Pressure Test

1. Scheduling the test should be done at least two (2) weeks in advance.

2. Information on the well completion (location of the packer, location of perforations, previous cement work on the casing, size of casing and tubing, etc.) and the results of the previous MIT test should be reviewed by the field inspector in advance of the test. Regional UIC Guidance #35 should also be reviewed. Information relating to the previous MIT and any well workovers should be reviewed and taken into the field for verification purposes.

3. All Class I wells and Class II SWD wells should be shut-in prior to the test. A 12 to 24-hour shut-in is preferable to assure that the temperature of the fluid in the wellbore is stable.

4. Class II enhanced recovery wells may be operating during the test, but it is recommended that the well be shut-in if possible.

5. The operator should fill the casing/tubing annulus with inhibited fluid at least 24 hours in advance, if possible. Filling the annulus should be undertaken through one valve with the second valve open to allow air to escape. After the operator has filled the annulus, a check should be made to assure that the annulus will remain full. If the annulus can not maintain a full column of fluid, the operator should notify the Director and begin a rework. The operator should measure and report the volume of fluid added to the annulus. If not already the case, the casing/tubing valves should be closed, at least, 24 hours prior to the pressure test.

Following steps are at the well:

6. Read tubing pressure and record on the form. If the well is shut-in, the reported information on the actual maximum operating pressure should be used to determine test pressures.

7. Read pressure on the casing/tubing annulus and record value on the form. If there is pressure on the annulus, it should be bled off prior to the test. If the pressure will not bleed-off, the guidance on well failures (Region VIII UIC Section Guidance #35) should be followed.

8. Ask the operator for the date of the last workover and the volume of fluid added to the annulus prior to this test and record information on the form.

9. Hook-up well to pressure source and apply pressure until test value is reached.

10. Immediately disconnect pressure source and start test time (If there has been a significant drop in pressure during the process of disconnection, the test may have to be restarted). The pressure gages used to monitor injection tubing pressure and annulus pressure should have a pressure range which will allow the test pressure to be near the mid-range of the gage. Additionally, the gage must be of sufficient accuracy and scale to allow an accurate reading of a 10 percent change to be read. For instance, a test pressure of 600 psi should be monitored with a 0 to 1000 psi gage. The scale should be incremented in 20 psi increments.

11. Record tubing and annulus pressure values every five (5) minutes.

12. At the end of the test, record the final tubing pressure.

13. If the test fails, check the valves, bull plugs and casing head close up for possible leaks. The well should be retested.

14. If the second test indicates a well failure, the Region should be informed of the failure within 24 hours by the operator, and the well should be shut-in within 48 hours per Headquarters guidance #76. A follow-up letter should be prepared by the operator which outlines the cause of the MIT failure and proposes a potential course of action. This report should be submitted to EPA within five days.

15. Bleed off well into a bucket, if possible, to obtain a volume estimate. This should be compared to the calculated value obtained using the casing/tubing annulus volume and fluid compressibility values.

16. Return to office and prepare follow-up.

Alternative Test Option

While it is expected that the test procedure outlined above will be applicable to most wells, the potential does exist that unique circumstances may exist for a given well that precludes or makes unsafe the application of this test procedure. In the event that these **exceptional or extraordinary** conditions are encountered, the operator has the option to propose an alternative test or monitoring procedures. The request must be submitted by the operator in writing and must be approved in writing by the UIC-Implementation Section Chief or equivalent level of management.

Attachment

Form 3160-5
(April 2004)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: March 31, 2007

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE- Other instructions on reverse side.

5. Lease Serial No.
UTU 0561

6. If Indian, Allottee or Tribe Name
N/A

7. If Unit or CA/Agreement, Name and/or No.
Redwash

1. Type of Well
☑ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.
RW 14-24A

2. Name of Operator **Questar Exploration and Production Inc.**

9. API Well No.
43-047-15166

3a. Address
11002 E. 17500 S. VERNAL, UT 84078-8526

3b. Phone No. *(include area code)*
435-781-4319

10. Field and Pool, or Exploratory Area
Redwash

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
660' FSL, 710' FWL, SWSW, SECTION 24, T7S, R22E, SLBM

11. County or Parish, State
Uintah

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☑ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☑ Other **Cancel Plug and Abandon**
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Questar Exploration and Production requests approval to cancel the NOIA dated 9-24-01, QEP no longer intends to plug and abandon this well.

14. I hereby certify that the foregoing is true and correct
Name *(Printed/Typed)*
Lucius McGillivray lucius.mcgillivray@questar.com

Title **Associate Petroleum Engineer**

Signature **Lucius McGillivray** Digitally signed by Lucius McGillivray DN: CN = Lucius McGillivray, C = US Date: 2008.02.06 08:07:44 -07'00'

Date **02/05/2008**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by _____ Title _____ Date _____

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

RECEIVED
FEB 06 2008
DIV. OF OIL, GAS & MINING

Form 3160-5
(April 2004)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: March 31, 2007

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE- Other instructions on reverse side.

1. Type of Well: ☑ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator: **Questar Exploration and Production Inc.**

3a. Address: **11002 E. 17500 S. VERNAL, UT 84078-8526**

3b. Phone No. *(include area code)*: **435-781-4319**

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*

660' FSL, 710' FWL, SWSW, SECTION 24, T7S, R22E, SLBM

5. Lease Serial No.: **UTU 0561**

6. If Indian, Allottee or Tribe Name: **N/A**

7. If Unit or CA/Agreement, Name and/or No.: **Redwash**

8. Well Name and No.: **RW 14-24A**

9. API Well No.: **43-047-15166**

10. Field and Pool, or Exploratory Area: **Redwash**

11. County or Parish, State: **Uintah**

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☑ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☐ Change Plans	☐ Plug and Abandon	☑ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Questar Exploration and Production requests approval to place this well in temporary abandonment status. Questar E&P is currently waiting for the EPA to let us know if we have approval to convert to injection. Intent for this well depends on whether the conversion is approved or not.

Accepted by the
Utah Division of
Oil, Gas and Mining
Date: 4/1/08
By: DSHacq

Federal Approval Of This
Action Is Necessary

COPY SENT TO OPERATOR
Date: 4.4.2008
Initials: KS

14. I hereby certify that the foregoing is true and correct
Name *(Printed/Typed)*: **Lucius McGillivray lucius.mcgillivray@questar.com** Title **Associate Petroleum Engineer**

Signature: Lucius McGillivray Date **03/20/2008**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by _____ Title _____ Date _____

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon. Office _____

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

RECEIVED
MAR 21 2008
DIV. OF OIL, GAS & MINING

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 8
1595 Wynkoop Street
DENVER, CO 80202-1129
Phone 800-227-8917
http://www.epa.gov/region08

SEP 16 2008

Ref: 8P-W-GW

Mr. Rick Canterbury
Supervisor Regulatory Affairs
QEP Uinta Basin, Inc.
11002 E 17500 S
Vernal, UT 84078

Accepted by the
Utah Division of
Oil, Gas and Mining
FOR RECORD ONLY

RE: UNDERGROUND INJECTION CONTROL (UIC)
Extend Expiration Date of Permit
RW 14-24A
EPA Permit No. UT20949-06160
Uintah County, Utah
43 047 15166

Dear Mr. Canterbury: 7S 22E 24

The Environmental Protection Agency (EPA) has reviewed and approved your request to extend the expiration date of Permit No. UT20949-06160. In accordance with the Final Permit, Part II, Section A. 5, Postponement of Construction or Conversion, QEP Uinta Basin, Inc. has made this request for an extension in writing, and has stated the reason for the delay.

The EPA is granting this extension to be effective immediately, and lasting until December 14, 2009. Authorization to construct and operate shall expire and the Permit may be terminated under 40 CFR 144.40 if the well has not been constructed by that date unless the Permittee has notified the Director and requested another extension prior to this expiration date. Notification shall be in writing, and shall state the reasons for the delay and provide an estimated completion date. Once Authorization has expired, the complete permit process including opportunity for public comment may be required before Authorization to construct and operate can be reissued.

RECEIVED
SEP 22 2008
DIV. OF OIL, GAS & MINING

If you have any questions in regard to the above action, please call Chuck Tinsley at (303) 312-6266, or toll-free at (800) 227-8917, extension 312-6266.

Sincerely,

Stephen S. Tuber
Assistant Regional Administrator
Office of Partnerships and Regulatory Assistance

cc:

Gil Hunt, Utah Division of Oil Gas and Mining
Matt Baker, Fluid Minerals Engineering Office, Bureau of Land Management
Robin Hansen, Fluid Minerals Engineering Office, Bureau of Land Management
Larry Love, Director, Energy and Minerals Department, Ute Indian Tribe
Shaun Chapoose, Land Use Department, Ute Indian Tribe
Elaine Willie, GAP Coordinator, Ute Indian Tribe
Daniel Picard, Bureau of Indian Affairs, U&O Agency
Curtis Cesspooch, Chairman, Uintah & Ouray Business Committee
Irene Cuch, Vice-Chairwoman, Uintah & Ouray Business Committee
Ronald Groves, Councilman, Uintah & Ouray Business Committee
Frances Poowegup, Councilwoman, Uintah & Ouray Business Committee
Phillip Chimburas, Councilman, Uintah & Ouray Business Committee
Steven Cesspooch, Councilman, Uintah & Ouray Business Committee

Division of Oil, Gas and Mining

OPERATOR CHANGE WORKSHEET

ROUTING
1. DJJ
2. CDW

Change of Operator (Well Sold) **X - Operator Name Change/Merger**

The operator of the well(s) listed below has changed, effective: **1/1/2007**

FROM: (Old Operator):	**TO:** (New Operator):
N2460-QEP Uinta Basin, Inc.	N5085-Questar E&P Company
1050 17th St, Suite 500	1050 17th St, Suite 500
Denver, CO 80265	Denver, CO 80265
Phone: 1 (303) 672-6900	Phone: 1 (303) 672-6900

CA No. **Unit:** **RED WASH UNIT**

WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
SEE ATTACHED LISTS				*				

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 4/19/2007
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 4/16/2007
3. The new company was checked on the **Department of Commerce, Division of Corporations Database on:** 1/31/2005
4a. Is the new operator registered in the State of Utah: Business Number: 764611-0143
5a. (R649-9-2)Waste Management Plan has been received on: IN PLACE
5b. Inspections of LA PA state/fee well sites complete on: n/a
5c. Reports current for Production/Disposition & Sundries on: n/a
6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM 4/23/2007 BIA
7. **Federal and Indian Units:**
   The BLM or BIA has approved the successor of unit operator for wells listed on: 4/23/2007
8. **Federal and Indian Communization Agreements ("CA"):**
   The BLM or BIA has approved the operator for all wells listed within a CA on:
9. **Underground Injection Control ("UIC")** The Division has approved UIC Form 5, **Transfer of Authority to Inject,** for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on:

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database on:** 4/30/2007 and 5/15/2007
2. Changes have been entered on the **Monthly Operator Change Spread Sheet on:** 4/30/2007 and 5/15/2007
3. Bond information entered in RBDMS on: 4/30/2007 and 5/15/2007
4. Fee/State wells attached to bond in RBDMS on: 4/30/2007 and 5/15/2007
5. Injection Projects to new operator in RBDMS on: 4/30/2007 and 5/15/2007
6. Receipt of Acceptance of Drilling Procedures for APD/New on: n/a

BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: ESB000024
2. Indian well(s) covered by Bond Number: 799446
3a. (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number 965003033
3b. The **FORMER** operator has requested a release of liability from their bond on: n/a

LEASE INTEREST OWNER NOTIFICATION:

4. (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

COMMENTS: THIS IS A COMPANY NAME CHANGE.
SOME WELL NAMES HAVE BEEN CHANGED AS REQUESTED

QEP Uinta Basin (N2460) to QUESTAR E and P (N5085)
RED WASH UNIT

Original Well Name	Well Name & No.	Q/Q	SEC	TWP	RNG	API	Entity	Lease	Well Type	Status
RWU 1 (41-26B)	RW 41-26B	NENE	26	070S	230E	4304715135	5670	Federal	OW	TA
RWU 3 (34-23B)	RW 34-23B	SWSE	23	070S	230E	4304715136	5670	Federal	OW	P
RWU 4 (41-22B)	RW 41-22B	NENE	22	070S	230E	4304715137	5670	Federal	OW	TA
RWU 5 (41-23B)	RW 41-23B	NENE	23	070S	230E	4304715138	5670	Federal	OW	P
RWU 8 (32-22B)	RW 32-22B	SWNE	22	070S	230E	4304715139	5670	Federal	OW	P
RWU 9 (43-23B)	RW 43-23B	NESE	23	070S	230E	4304715140	5670	Federal	OW	P
RWU 10 (12-23B)	RW 12-23B	SWNW	23	070S	230E	4304715141	5670	Federal	OW	TA
RWU 11	RW 34-27B	SWSE	27	070S	230E	4304715142	99996	Federal	WI	A
RWU 13 (14-22B)	RW 14-22B	SWSW	22	070S	230E	4304715143	5670	Federal	OW	TA
RW 14-13B	RW 14-13B	SWSW	13	070S	230E	4304715144	99996	Federal	WI	A
RWU 15 (32-17C)	RW 32-17C	SWNE	17	070S	240E	4304715145	5670	Federal	OW	P
RWU 17 (41-20B)	RW 41-20B	NENE	20	070S	230E	4304715146	5670	Federal	WI	A
RWU 19 (34-26B)	RW 34-26B	SWSE	26	070S	230E	4304715148	5670	Federal	GW	S
RWU 21 (32-14B)	RW 32-14B	SWNE	14	070S	230E	4304715150	5670	Federal	OW	P
RWU 23 (21-23B)	RW 21-23B	SENW	23	070S	230E	4304715151	99996	Federal	WI	A
RWU 24 (34-14B)	RW 34-14B	SWSE	14	070S	230E	4304715152	5670	Federal	OW	S
RWU 26 (23-22B)	RW 23-22B	NESW	22	070S	230E	4304715153	5670	Federal	OW	TA
RWU 27 (43-14B)	RW 43-14B	NESE	14	070S	230E	4304715154	5670	Federal	OW	TA
RWU 28 (43-22B)	RW 43-22B	NESE	22	070S	230E	4304715155	5670	Federal	OW	P
RWU 29 (32-23B)	RW 32-23B	SWNE	23	070S	230E	4304715156	5670	Federal	OW	P
RW 23-13B	RW 23-13B	NESW	13	070S	230E	4304715157	5670	Federal	GW	TA
RWU 31 (34-22B)	RW 34-22B	SWSE	22	070S	230E	4304715158	5670	Federal	OW	P
RWU 33 (14-14B)	RW 14-14B	SWSW	14	070S	230E	4304715160	5670	Federal	GW	TA
RWU 34 (23-14B)	RW 23-14B	NESW	14	070S	230E	4304715161	99996	Federal	WI	A
RW 43-13B	RW 43-13B	NESE	13	070S	230E	4304715162	5670	Federal	OW	TA
RWU 36 (32-13B)	RW 32-13B	SWNE	13	070S	230E	4304715163	5670	Federal	GW	P
RWU 38 (14-23B)	RW 14-23B	SWSW	23	070S	230E	4304715165	5670	Federal	OW	P
RWU 39 (14-24A)	RW 14-24A	SWSW	24	070S	220E	4304715166	5670	Federal	OW	TA
RWU 40 (21-24B)	RW 21-24B	NENW	24	070S	230E	4304715167	5670	Federal	OW	TA
RWU 41 (34-13B)	RW 34-13B	SWSE	13	070S	230E	4304715168	5670	Federal	OW	P
RWU 42 (21-29C)	RW 21-29C	NENW	29	070S	240E	4304715169	5670	Federal	GW	P
RWU 43 (12-17B)	RW 12-17B	SWNW	17	070S	230E	4304715170	5670	Federal	OW	P
RWU 44 (32-33C)	RW 32-33C	SWNE	33	070S	240E	4304715171	5670	Federal	GW	P
RWU 45 (23-30B)	RW 23-30B	NESW	30	070S	230E	4304715172	5670	Federal	OW	TA
RWU 46 (41-21C)	RW 41-21C	NENE	21	070S	240E	4304715173	5670	Federal	GW	TA
RWU 48 (32-19B)	RW 32-19B	SWNE	19	070S	230E	4304715174	99996	Federal	WI	I
RWU 49 (12-29B)	RW 12-29B	SWNW	29	070S	230E	4304715175	5670	Federal	OW	TA
RWU 50 (14-23A)	RW 14-23A	SWSW	23	070S	220E	4304715176	5670	Federal	OW	P
RWU 52 (14-18B)	RW 14-18B	SWSW	18	070S	230E	4304715178	5670	Federal	OW	TA
RWU 53 (41-25A)	RW 41-25A	NENE	25	070S	220E	4304715179	5670	Federal	OW	TA
RWU 56 (41-28B)	RW 41-28B	NENE	28	070S	230E	4304715182	99996	Federal	WI	A

QEP Uinta Basin (N2460) to QUESTAR E and P (N5085)
RED WASH UNIT

Original Well Name	Well Name & No.	Q/Q	SEC	TWP	RNG	API	Entity	Lease	Well Type	Status
RWU 57 (12-18C)	RW 12-18C	SWNW	18	070S	240E	4304715183	5670	Federal	OW	P
RWU 63 (21-22B)	RW 21-22B	NENW	22	070S	230E	4304715186	5670	Federal	GW	TA
RWU 64 (32-27B)	RW 32-27B	SWNE	27	070S	230E	4304715187	5670	Federal	OW	TA
RWU 66 (34-18B)	RW 34-18B	SWSE	18	070S	230E	4304715189	5670	Federal	OW	P
RWU 67 (42-22B)	RW 42-22B	SENE	22	070S	230E	4304715190	5670	Federal	OW	TA
RWU 69 (21-27B)	RW 21-27B	NENW	27	070S	230E	4304715191	5670	Federal	OW	TA
RWU 70 (23-22A)	RW 23-22A	NESW	22	070S	220E	4304715192	5670	Federal	OW	P
RWU 71 (21-18C)	RW 21-18C	NENW	18	070S	240E	4304715193	5670	Federal	OW	P
RWU 72 (23-27B)	RW 23-27B	NESW	27	070S	230E	4304715194	5670	Federal	OW	TA
RWU 74 (12-13B)	RW 12-13B	SWNW	13	070S	230E	4304715196	5670	Federal	GW	S
RWU 75 (21-26B)	RW 21-26B	NENW	26	070S	230E	4304715197	5670	Federal	OW	TA
RWU 76 (32-18C)	RW 32-18C	SWNE	18	070S	240E	4304715198	5670	Federal	GW	P
RWU 77 (21-13B)	RWU 77 (21-13B)	NENW	13	070S	230E	4304715199	5670	Federal	OW	P
RWU 78 (32-28B)	RW 32-28B	SWNE	28	070S	230E	4304715200	5670	Federal	OW	P
RWU 79 (12-27B)	RW 12-27B	SWNW	27	070S	230E	4304715201	5670	Federal	OW	TA
RWU 80 (14-27B)	RW 14-27B	SWSW	27	070S	230E	4304715202	5670	Federal	OW	S
RWU 81 (41-31B)	RW 41-31B	NENE	31	070S	230E	4304715203	5670	Federal	OW	P
RWU 83 (41-27A)	RW 41-27A	NENE	27	070S	220E	4304715205	5670	Federal	OW	P
RWU 84 (44-14B)	RW 44-14B	SESE	14	070S	230E	4304715206	5670	Federal	GW	P
RWU 88 (23-18B)	RW 23-18B	NESW	18	070S	230E	4304715210	5670	Federal	WI	A
RWU 90 (43-21B)	RW 43-21B	NESE	21	070S	230E	4304715211	5670	Federal	OW	P
RWU 92 (11-23B)	RW 11-23B	NWNW	23	070S	230E	4304715212	5670	Federal	OW	TA
RWU 94 (12-22A)	RW 12-22A	SWNW	22	070S	220E	4304715213	5670	Federal	OW	P
RWU 23-18C (97)	RW 23-18C	NESW	18	070S	240E	4304715216	99996	Federal	WI	I
RWU 99 (12-22B)	RW 12-22B	SWNW	22	070S	230E	4304715218	5670	Federal	OW	P
RWU 100-A (43-21A)	RW 43-21A	NESE	21	070S	220E	4304715219	5670	Federal	WI	A
RWU 101 (34-21B)	RW 34-21B	SWSE	21	070S	230E	4304715220	5670	Federal	OW	P
RWU 102 (41-24A)	RW 41-24A	SENE	24	070S	220E	4304715221	5670	Federal	WI	A
RWU 103 (34-15B)	RW 34-15B	SWSE	15	070S	230E	4304715222	5670	Federal	OW	P
RWU 108 (32-21B)	RW 32-21B	SWNE	21	070S	230E	4304715226	5670	Federal	OW	P
RWU 109 (21-28B)	RW 21-28B	NENW	28	070S	230E	4304715227	5670	Federal	OW	P
RWU 110 (23-23A)	RW 23-23A	NESW	23	070S	220E	4304715228	5670	Federal	OW	P
RWU 111 (32-24A)	RW 32-24A	SWNE	24	070S	220E	4304715229	5670	Federal	OW	S
RWU 112 (32-28A)	RW 32-28A	SWNE	28	070S	220E	4304715230	5670	Federal	OW	S
RWU 115 (21-19B)	RW 21-19B	NENW	19	070S	230E	4304715233	5670	Federal	OW	P
RWU 119 (43-29A)	RW 43-29A	NESE	29	070S	220E	4304715236	5670	Federal	OW	P
RWU 120 (23-28B)	RW 23-28B	NESW	28	070S	230E	4304715237	5670	Federal	OW	TA
RW 13-13B	RW 13-13B	NWSW	13	070S	230E	4304715238	5670	Federal	GW	P
RWU 122 (24-14B)	RW 24-14B	SESW	14	070S	230E	4304715239	5670	Federal	OW	P
RWU 125 (34-19B)	RW 34-19B	SWSE	19	070S	230E	4304715242	5670	Federal	OW	TA
RWU 126 (41-29A)	RW 41-29A	NENE	29	070S	220E	4304715243	5670	Federal	OW	P

QEP Uinta Basin (N2460) to QUESTAR E and P (N5085)
RED WASH UNIT

Original Well Name	Well Name & No.	Q/Q	SEC	TWP	RNG	API	Entity	Lease	Well Type	Status
RWU 127 (12-19B)	RW 12-19B	SWNW	19	070S	230E	4304715244	5670	Federal	OW	S
RWU 129 (14-15B)	RW 14-15B	SWSW	15	070S	230E	4304715246	5670	Federal	OW	P
RWU 133 (41-34B)	RW 41-34B	NENE	34	070S	230E	4304715250	5670	Federal	OW	P
RWU 136 (43-19B)	RW 43-19B	NESE	19	070S	230E	4304715252	5670	Federal	OW	TA
RWU 137 (34-28B)	RW 34-28B	SWSE	28	070S	230E	4304715253	5670	Federal	GW	TA
RWU 138 (41-30B)	RW 41-30B	NENE	30	070S	230E	4304715254	5670	Federal	OW	P
RWU 140 (24-22B)	RW 24-22B	SESW	22	070S	230E	4304715255	5670	Federal	OW	P
RWU 141 (11-27B)	RW 11-27B	NWNW	27	070S	230E	4304715256	5670	Federal	OW	TA
RWU 143 (33-14B)	RW 33-14B	NWSE	14	070S	230E	4304715257	5670	Federal	OW	P
RWU 144 (21-18B)	RW 21-18B	NENW	18	070S	230E	4304715258	5670	Federal	OW	TA
RW 24-13B	RW 24-13B	SESW	13	070S	230E	4304715259	5670	Federal	OW	TA
RWU 147 (22-22B)	RW 22-22B	SENW	22	070S	230E	4304715260	5670	Federal	OW	TA
RWU 148 (13-22B)	RW 13-22B	NWSW	22	070S	230E	4304715261	99996	Federal	WI	A
RWU 150 (31-22B)	RW 31-22B	NWNE	22	070S	230E	4304715263	99996	Federal	WI	I
RWU 151 (42-14B)	RW 42-14B	SENE	14	070S	230E	4304715264	5670	Federal	OW	P
RWU 153 (14-29B)	RW 14-29B	SWSW	29	070S	230E	4304715265	5670	Federal	OW	P
RWU 156 (23-15B)	RW 23-15B	NESW	15	070S	230E	4304715267	99990	Federal	WI	A
RWU 158 (32-30B)	RW 32-30B	SWNE	30	070S	230E	4304715268	5670	Federal	OW	P
RWU 160 (32-15B)	RW 32-15B	SWNE	15	070S	230E	4304715270	5670	Federal	OW	P
RWU 161 (14-20B)	RW 14-20B	SWSW	20	070S	230E	4304715271	99996	Federal	WI	I
RWU 162 (12-20B)	RW 12-20B	SWNW	20	070S	230E	4304715272	5670	Federal	OW	P
RWU 164 (12-28B)	RW 12-28B	SWNW	28	070S	230E	4304715274	5670	Federal	OW	P
RWU 165 (32-26B)	RW 32-26B	SWNE	26	070S	230E	4304715275	5670	Federal	GW	TA
RWU 167 (23-21B)	RW 23-21B	NESW	21	070S	230E	4304715277	5670	Federal	OW	S
RWU 168 (23-24B)	RW 23-24B	NESW	24	070S	230E	4304715278	5670	Federal	OW	TA
RWU 172 (21-30B)	RW 21-30B	NENW	30	070S	230E	4304715280	5670	Federal	OW	TA
RWU 174 (21-20B)	RW 21-20B	NENW	20	070S	230E	4304715281	5670	Federal	WI	A
RWU 176 (31-28B)	RW 31-28B	NWNE	28	070S	230E	4304715283	5670	Federal	OW	TA
RWU 177 (42-28B)	RW 42-28B	SENE	28	070S	230E	4304715284	5670	Federal	OW	TA
RW 22-13B	RW 22-13B	SENW	13	070S	230E	4304715285	5670	Federal	OW	TA
RWU 180 (31-23B)	RW 31-23B	NWNE	23	070S	230E	4304715287	5670	Federal	OW	TA
RWU 181 (34-30B)	RW 34-30B	SWSE	30	070S	230E	4304715288	5670	Federal	OW	P
RW 33-13B	RW 33-13B	NWSE	13	070S	230E	4304715289	5670	Federal	WI	A
RWU 184 (23-26B)	RW 23-26B	NESW	26	070S	230E	4304715290	5670	Federal	GW	S
RWU 188 (23-20B)	RW 23-20B	NESW	20	070S	230E	4304715291	5670	Federal	OW	TA
RWU 192 (41-33A)	RW 41-33A	NENE	33	070S	220E	4304715294	5670	Federal	OW	P
RWU 193 (43-24B)	RW 43-24B	NESE	24	070S	230E	4304715295	5670	Federal	GW	TA
RWU 194 (12-14B)	RW 12-14B	SWNW	14	070S	230E	4304715296	5670	Federal	OW	S
RWU 196 (23-17C)	RW 23-17C	NESW	17	070S	240E	4304715298	5670	Federal	GW	TA
RWU 199 (43-22A)	RW 43-22A	NESE	22	070S	220E	4304715301	99996	Federal	WI	A
RWU 201 (32-28C)	RW 32-28C	SWNE	28	070S	240E	4304715302	5670	Federal	GW	P

QEP Uinta Basin (N2460) to QUESTAR E and P (N5085)
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Original Well Name	Well Name & No.	Q/Q	SEC	TWP	RNG	API	Entity	Lease	Well Type	Status
RWU 202 (21-34A)	RW 21-34A	NENW	34	070S	220E	4304715303	99996	Federal	WI	I
RWU 204 (23-25A)	RW 23-25A	NESW	25	070S	220E	4304715305	5670	Federal	OW	P
RWU 205 (23-21C)	RW 23-21C	NESW	21	070S	240E	4304715306	5670	Federal	GW	TA
RWU 2 (14-24B)	RW 14-24B	SWSW	24	070S	230E	4304716472	99996	Federal	WI	A
RWU 7 (41-27B)	RW 41-27B	NENE	27	070S	230E	4304716473	99996	Federal	WI	I
RWU 16 (43-28B)	RW 43-28B	NESE	28	070S	230E	4304716475	99996	Federal	WI	I
RWU 25 (23-23B)	RW 23-23B	NESW	23	070S	230E	4304716476	99996	Federal	WI	A
RWU 59 (12-24B)	RW 12-24B	SWNW	24	070S	230E	4304716477	99996	Federal	WI	A
RWU 61 (12-27A)	RW 12-27A	SWNW	27	070S	220E	4304716478	99996	Federal	WI	I
RWU 91 (33-22B)	RW 33-22B	NWSE	22	070S	230E	4304716479	99996	Federal	WI	A
RWU 93 (43-27B)	RW 43-27B	NESE	27	070S	230E	4304716480	99996	Federal	WI	I
RWU 6 (41-21B)	RW 41-21B	NENE	21	070S	230E	4304716482	99996	Federal	WI	A
RWU 68 (41-13B)	RW 41-13B	NENE	13	070S	230E	4304716485	99996	Federal	WI	I
RWU 170 (41-15B)	RW 41-15B	NENE	15	070S	230E	4304716495	99996	Federal	WI	I
RWU 173 (21-21B)	RW 21-21B	NENW	21	070S	230E	4304716496	99996	Federal	WI	A
RWU 182 (14-21B)	RW 14-21B	SWSW	21	070S	230E	4304716497	99996	Federal	WI	A
RWU 185 (41-1B)	RW 41-14B	NENE	14	070S	230E	4304716498	99996	Federal	WI	A
RWU 212 (41-8F)	RW 41-8F	NENE	08	080S	240E	4304720014	5670	Federal	GW	P
RWU 213 (41-33B)	RW 41-33B	NENE	33	070S	230E	4304720060	99996	Federal	WD	A
RWU 215 (43-28A)	RW 43-28A	NESE	28	070S	220E	4304730058	99996	Federal	WD	A
RWU 216 (21-27A)	RW 21-27A	NENW	27	070S	220E	4304730103	99996	Federal	WI	A
RWU 219 (44-21C)	RW 44-21C	SESE	21	070S	240E	4304730149	5670	Federal	GW	S
RWU 220 (22-23B)	RW 22-23B	SENW	23	070S	230E	4304730192	5670	Federal	OW	TA
RWU 221 (13-27B)	RW 13-27B	NWSW	27	070S	230E	4304730199	5670	Federal	OW	TA
RWU 222 (31-27B)	RW 31-27B	NWNE	27	070S	230E	4304730200	5670	Federal	GW	TA
RWU 224 (44-22B)	RW 44-22B	SESE	22	070S	230E	4304730202	5670	Federal	GW	TA
RWU 225 (13-23B)	RW 13-23B	NWSW	23	070S	230E	4304730212	5670	Federal	GW	TA
RWU 226 (24-23B)	RW 24-23B	SESW	23	070S	230E	4304730249	5670	Federal	GW	S
RWU 227 (14-26B)	RW 14-26B	SWSW	26	070S	230E	4304730257	5670	Federal	OW	TA
RWU 228 (21-34B)	RW 21-34B	NENW	34	070S	230E	4304730258	5670	Federal	OW	P
RWU 229 (43-26B)	RW 43-26B	NESE	26	070S	230E	4304730259	5670	Federal	OW	TA
RWU 230 (14-18C)	RW 14-18C	SWSW	18	070S	240E	4304730309	5670	Federal	OW	P
RWU 231 (21-35B)	RW 21-35B	NENW	35	070S	230E	4304730310	5670	Federal	OW	TA
RWU 232 (12-26B)	RW 12-26B	SWNW	26	070S	230E	4304730311	5670	Federal	OW	TA
RWU 233 (12-25B)	RW 12-25B	SWNW	25	070S	230E	4304730312	5670	Federal	OW	TA
RWU 234 (32-24B)	RW 32-24B	SWNE	24	070S	230E	4304730313	5670	Federal	OW	P
RWU 235 (34-18C)	RW 34-18C	SWSE	18	070S	240E	4304730314	5670	Federal	OW	S
RWU 236 (21-19C)	RW 21-19C	NENW	19	070S	240E	4304730340	5670	Federal	GW	P
RWU 237 (14-25B)	RW 14-25B	SWSW	25	070S	230E	4304730341	5670	Federal	OW	P
RWU 238 (32-35B)	RW 32-35B	SWNE	35	070S	230E	4304730342	5670	Federal	OW	TA
RWU 239 (41-35B)	RW 41-35B	NENE	35	070S	230E	4304730343	5670	Federal	OW	TA

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RED WASH UNIT

Original Well Name	Well Name & No.	Q/Q	SEC	TWP	RNG	API	Entity	Lease	Well Type	Status
RWU 240 (12-36B)	RW 12-36B	SWNW	36	070S	230E	4304730344	5670	Federal	OW	S
RWU 241 (22-14B)	RW 22-14B	SENW	14	070S	230E	4304730345	5670	Federal	OW	P
RW 42-13B	RW 42-13B	SENE	13	070S	230E	4304730346	5670	Federal	OW	P
RWU 243 (42-18C)	RW 42-18C	SENE	18	070S	240E	4304730347	5670	Federal	OW	TA
RWU 244 (23-19C)	RW 23-19C	NESW	19	070S	240E	4304730348	5670	Federal	GW	P
RWU 246 (22-18C)	RW 22-18C	SENW	18	070S	240E	4304730387	5670	Federal	OW	P
RWU 247 (22-17C)	RW 22-17C	SENW	17	070S	240E	4304730388	5670	Federal	GW	P
RWU 258 (34-22A)	RW 34-22A	SWSE	22	070S	220E	4304730458	5670	Federal	WI	A
RWU 262 (22-26B)	RW 22-26B	SENW	26	070S	230E	4304730517	5670	Federal	GW	TA
RWU 263 (24-26B)	RW 24-26B	SESW	26	070S	230E	4304730518	99996	Federal	WI	I
RWU 264 (31-35B)	RW 31-35B	NWNE	35	070S	230E	4304730519	99996	Federal	WI	A
RWU 265 (44-26B)	RW 44-26B	SESE	26	070S	230E	4304730520	5670	Federal	GW	P
RWU 266 (33-26B)	RW 33-26B	NWSE	26	070S	230E	4304730521	99996	Federal	WI	I
RWU 269 (13-26B)	RW 13-26B	NWSW	26	070S	230E	4304730522	99996	Federal	WI	A
RWU 273 (42-27B)	RW 42-27B	SENE	27	070S	230E	4304731051	5670	Federal	OW	TA
RWU 279 (11-36B)	RW 11-36B	NWNW	36	070S	230E	4304731052	99996	Federal	WI	A
RWU 276 (44-27B)	RW 44-27B	SESE	27	070S	230E	4304731053	5670	Federal	OW	TA
RWU 272 (44-23B)	RW 44-23B	SESE	23	070S	230E	4304731054	5670	Federal	GW	P
RWU 278 (11-26)	RW 11-26	NWNW	26	070S	230E	4304731076	5670	Federal	GW	TA
RWU 275 (31-26B)	RW 31-26B	NWNE	26	070S	230E	4304731077	99996	Federal	WI	A
RWU 280 (11-35B)	RW 11-35B	NWNW	35	070S	230E	4304731079	5670	Federal	OW	P
RWU 282 (42-26B)	RW 42-26B	SENE	26	070S	230E	4304731080	5670	Federal	GW	TA
RWU 271 (42-35B)	RW 42-35B	SENE	35	070S	230E	4304731081	5670	Federal	WI	I
RWU 270 (22-35B)	RW 22-35B	SENW	35	070S	230E	4304731082	5670	Federal	OW	P
RWU 284 (33-23B)	RW 33-23B	NWSE	23	070S	230E	4304731476	5670	Federal	GW	TA
RWU 285 (11-24B)	RW 11-24B	NWNW	24	070S	230E	4304731477	5670	Federal	OW	P
RWU 286 (42-21B)	RW 42-21B	SENE	21	070S	230E	4304731478	5670	Federal	OW	P
RW 44-13B	RW 44-13B	SESE	13	070S	230E	4304731512	5670	Federal	OW	TA
RWU 288 (24-27)	RW 24-27	SESW	27	070S	230E	4304731513	5670	Federal	OW	TA
RWU 289 (13-24B)	RW 13-24B	NWSW	24	070S	230E	4304731517	5670	Federal	OW	P
RWU 292 (42-23B)	RW 42-23B	SENE	23	070S	230E	4304731576	5670	Federal	GW	TA
RWU 295 (11-22B)	RW 11-22B	NWNW	22	070S	230E	4304731577	5670	Federal	GW	TA
RWU 296 (12-35B)	RW 12-35B	SWNW	35	070S	230E	4304731578	5670	Federal	OW	S
RWU 297 (24-15B)	RW 24-15B	SESW	15	070S	230E	4304731579	5670	Federal	OW	P
RWU 293 (22-22A)	RW 22-22A	SENW	22	070S	220E	4304731581	5670	Federal	OW	TA
RWU 294 (24-18C)	RW 24-18C	SESW	18	070S	240E	4304731582	5670	Federal	GW	P
RWU 298 (22-27B)	RW 22-27B	SENW	27	070S	230E	4304731679	5670	Federal	OW	TA
RWU 301 (43-15B)	RW 43-15B	NESE	15	070S	230E	4304731682	5670	Federal	GW	TA
RWU 302 (22-24B)	RW 22-24B	SENW	24	070S	230E	4304731683	5670	Federal	GW	TA
RWU 303 (34-17B)	RW 34-17B	SWSE	17	070S	230E	4304731819	5670	Federal	OW	P
RED WASH 305 (41-4F)	RW 41-4F	C-NE	04	080S	240E	4304732538	5670	Federal	GW	TA

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RED WASH UNIT

Original Well Name	Well Name & No.	Q/Q	SEC	TWP	RNG	API	Entity	Lease	Well Type	Status
RED WASH 306	RW 23-23C	NESW	23	070S	240E	4304732629	5670	Federal	GW	P
RWU 207	RW 14-17B	SWSW	17	070S	230E	4304732738	5670	Federal	OW	P
RED WASH UNIT 261	RW 23-17B	NESW	17	070S	230E	4304732739	5670	Federal	WI	A
RWU 268 (43-17B)	RW 43-17B	NESE	17	070S	230E	4304732980	5670	Federal	WI	A
RWU 267 (32-17B)	RW 32-17B	SWNE	17	070S	230E	4304732981	5670	Federal	OW	P
RWU 283 (43-18B)	RW 43-18B	NESE	18	070S	230E	4304732982	5670	Federal	WI	A
RWU 299 (32-18B)	RW 32-18B	SWNE	18	070S	230E	4304733018	5670	Federal	OW	P
RWU 42-20B	RW 42-20B	SENE	20	070S	230E	4304733490	5670	Federal	OW	P
RWU 22-20B	RW 22-20B	SENW	20	070S	230E	4304733491	5670	Federal	OW	S
RWU 24-19B	RW 24-19B	SESW	19	070S	230E	4304733492	5670	Federal	OW	P
RWU 13-19B	RW 13-19B	NWSW	19	070S	230E	4304733497	5670	Federal	WI	A
RWU 13-20B	RW 13-20B	NWSW	20	070S	230E	4304733498	5670	Federal	WI	A
RWU 33-19B	RW 33-19B	NWSE	19	070S	230E	4304733499	5670	Federal	WI	A
RWU 33-20B	RW 33-20B	NWSE	20	070S	230E	4304733500	5670	Federal	WI	A
RED WASH 22-21B	RW 22-21B	SENW	21	070S	230E	4304733522	5670	Federal	OW	S
RED WASH 24-20B	RW 24-20B	SESW	20	070S	230E	4304733523	5670	Federal	OW	P
RED WASH 44-19B	RW 44-19B	SESE	19	070S	230E	4304733524	5670	Federal	OW	P
RED WASH 44-20B	RW 44-20B	SESE	20	070S	230E	4304733525	5670	Federal	OW	P
RWU 11-19B	RW 11-19B	NWNW	19	070S	230E	4304733552	5670	Federal	WI	A
RWU 11-20B	RW 11-20B	NWNW	20	070S	230E	4304733553	5670	Federal	WI	A
RWU 24-18B	RW 24-18B	SESW	18	070S	230E	4304733554	5670	Federal	OW	P
RWU 31-19B	RW 31-19B	NWNE	19	070S	230E	4304733555	5670	Federal	WI	A
RWU 42-19B	RW 42-19B	SENE	19	070S	230E	4304733556	5670	Federal	OW	P
RWU 22-19B	RW 22-19B	SENW	19	070S	230E	4304733559	5670	Federal	OW	P
RWU 23-24A	RW 23-24A	NESW	24	070S	220E	4304733567	5670	Federal	OW	P
RWU 34-24A	RW 34-24A	SWSE	24	070S	220E	4304733568	5670	Federal	WI	A
RWU 42-24A	RW 42-24A	SENE	24	070S	220E	4304733569	5670	Federal	OW	S
RWU 11-25A	RW 11-25A	NWNW	25	070S	220E	4304733574	5670	Federal	WI	A
RWU 13-25A	RW 13-25A	NWSW	25	070S	220E	4304733575	5670	Federal	WI	A
RWU 21-25A	RW 21-25A	NENW	25	070S	220E	4304733576	5670	Federal	OW	P
RWU 31-25A	RW 31-25A	NWNE	25	070S	220E	4304733577	5670	Federal	WI	A
RWU 33-25A	RW 33-25A	NWSE	25	070S	220E	4304733578	5670	Federal	WI	A
RW 41-25AX	RW 41-25A	NENE	25	070S	220E	4304733579	5670	Federal	OW	P
RWU 42-25A	RWU 42-25A	SENE	25	070S	220E	4304733580	5670	Federal	OW	TA
RWU 11-29B	RW 11-29B	NWNW	29	070S	230E	4304733590	5670	Federal	WI	A
RWU 12-24A	RW 12-24A	SWNW	24	070S	220E	4304733591	5670	Federal	WI	A
RWU 21-24A	RW 21-24A	NENW	24	070S	220E	4304733592	5670	Federal	OW	P
RWU 34-13A	RW 34-13A	SWSE	13	070S	220E	4304733593	5670	Federal	WI	A
RWU 44-18B	RW 44-18B	SESE	18	070S	230E	4304733594	5670	Federal	OW	P
RW 22-13A	RW 22-13A	SENW	13	070S	220E	4304733765	13296	Federal	OW	S
RWU 22-29B	RW 22-29B	SENW	29	070S	230E	4304733766	5670	Federal	OW	S

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Original Well Name	Well Name & No.	Q/Q	SEC	TWP	RNG	API	Entity	Lease	Well Type	Status
RWU 41-24A	RW 41-24A	NENE	24	070S	220E	4304733769	5670	Federal	OW	P
RWU 42-30B	RW 42-30B	SENE	30	070S	230E	4304733771	5670	Federal	OW	P
RWU 44-30B	RWU 44-30B	SESE	30	070S	230E	4304733772	5670	Federal	OW	P
RWU 11-30B	RW 11-30B	NWNW	30	070S	230E	4304733785	5670	Federal	WI	A
RWU 22-25A	RW 22-25A	SENW	25	070S	220E	4304733786	5670	Federal	OW	P
RWU 31-30B	RW 31-30B	NWNE	30	070S	230E	4304733788	5670	Federal	WI	A
RWU 33-30B	RW 33-30B	NWSE	30	070S	230E	4304733790	5670	Federal	WI	A
RED WASH U 34-27C	RW 34-27C	SWSE	27	070S	240E	4304735045	5670	Federal	GW	P
RWU 34-22C	RW 34-22C	SWSE	22	070S	240E	4304735098	5670	Federal	GW	P
RW 12G-20C	RW 12G-20C	SWNW	20	070S	240E	4304735239	14011	Federal	GW	S
RW 43G-08F	RW 43G-08F	NESE	08	080S	240E	4304735655		Federal	GW	APD
RW 22G-09F	RW 22G-09F	SENW	09	080S	240E	4304735656	15636	Federal	GW	OPS
RWU 34-23AG	RW 34-23AG	SWSE	23	070S	220E	4304735668	5670	Federal	OW	P
RWU 34-27AG	RWU 34-27AD	SWSE	27	070S	220E	4304735669	5670	Federal	OW	DRL
RWU 32-27AG	RWU 32-27AG	SWNE	27	070S	220E	4304735670	5670	Federal	OW	S
RW 14-34AMU	RW 14-34AMU	SWSW	34	070S	220E	4304735671	14277	Federal	GW	P
RW 12-08FG	RW 12-08FG	SWNW	08	080S	240E	4304736348		Federal	GW	APD
RW 44-08FG	RW 44-08FG	SESE	08	080S	240E	4304736349	15261	Federal	GW	P
RW 12-17FG	RW 12-17FG	SWNW	17	080S	240E	4304736350		Federal	GW	APD
RW 34-34 AMU	RW 34-34 AD	SWSE	34	070S	220E	4304736351		Federal	GW	APD
RW 44-35 AMU	RW 44-35 AMU	SESE	35	070S	220E	4304736352		Federal	GW	APD
RW 14-35 AMU	RW 14-35 AMU	SWSW	35	070S	220E	4304736354		Federal	GW	APD
RW 33-31 BMU	RW 33-31 BD	NWSE	31	070S	230E	4304736357		Federal	GW	APD
RW 13-31 BMU	RW 13-31 BD	NWSW	31	070S	230E	4304736358		Federal	GW	APD
RW 32-15FG	RW 32-15FG	SWNE	15	080S	240E	4304736443		Federal	GW	APD
RW 21-26AG	RW 21-26AD	NENW	26	070S	220E	4304736768		Federal	OW	APD
RW 43-26AG	RW 43-26AG	NESE	26	070S	220E	4304736769		Federal	OW	APD
RW 43-23AG	RW 43-23AG	NESE	23	070S	220E	4304736770		Federal	OW	APD
RW 41-26AG	RW 41-26AG	NENE	26	070S	220E	4304736818		Federal	OW	APD
RW 04-25BG	RW 04-25B	NWSW	25	070S	230E	4304736982		Federal	OW	APD
RW 01-25BG	RW 01-25BG	NWNW	25	070S	230E	4304736983		Federal	OW	APD
RW 04-26BG	RW 04-26BG	SESW	26	070S	230E	4304736984		Federal	OW	APD
RW 01-26BG	RW 01-26BG	SWNW	26	070S	230E	4304736985		Federal	OW	APD
RW 01-35BG	RW 01-35BG	SWNW	35	070S	230E	4304736986		Federal	OW	APD

QEP Uinta Basin (N2460) to QUESTAR E and P (N5085)
RED WASH UNIT

4/30/2007 and 5/15/2007

Original Well Name	Well Name & No.	Q/Q	SEC	TWP	RNG	API	Entity	Lease	Well Type	Status
RWU 51 (12-16B)	RW 12-16B	SWNW	16	070S	230E	4304715177	5670	State	OW	P
RWU ST 189 (41-16B)	RW 41-16B	NENE	16	070S	230E	4304715292	5670	State	OW	S
RED WASH UNIT 259	RW 14-16B	SWSW	16	070S	230E	4304732785	5670	State	OW	P
RED WASH UNIT 260	RW 34-16B	SWSE	16	070S	230E	4304732786	5670	State	OW	P
RWU 324 (23-16B)	RW 23-16B	SESW	16	070S	230E	4304733084	5670	State	WI	OPS
RWU 21W-36A	RWU 21W-36A	NENW	36	070S	220E	4304733730		State	GW	LA
RWU 21G-36A	RWU 21G-36A	NENW	36	070S	220E	4304733731		State	OW	LA
RWU 41-36A	RWU 41-36A	NENE	36	070S	220E	4304733732		State	OW	LA
RWU 43-16B	RWU 43-16B	NESE	16	070S	230E	4304733733		State	OW	LA
RWU 21-16B	RWU 21-16B	NENW	16	070S	230E	4304733734		State	OW	LA
RWU 11-36A	RWU 11-36A	NWNW	36	070S	220E	4304733736		State	OW	LA
RWU 13-36A	RWU 13-36A	NWSW	36	070S	220E	4304733737		State	OW	LA
RW 32G-16C	RW 32G-16C	SWNE	16	070S	240E	4304735238	5670	State	GW	P
RW 14-36AMU	RW 14-36AMU	SWSW	36	070S	220E	4304736721		State	GW	APD
RW 01-36BG	RW 01-36BG	NWNW	36	070S	230E	4304736887	5670	State	OW	S
RW 24-16BG	RW 24-16BG	SESW	16	070S	230E	4304737746	5670	State	OW	DRL
RW 12-32BG	RW 12-32BG	SWNW	32	070S	230E	4304737946	15841	State	GW	DRL

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER: see attached	
6. IF INDIAN, ALLOTTEE OR TRIBE NAME: see attached	
7. UNIT or CA AGREEMENT NAME: see attached	
1. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ OTHER	8. WELL NAME and NUMBER: see attached
2. NAME OF OPERATOR: QUESTAR EXPLORATION AND PRODUCTION COMPANY	9. API NUMBER: attached
3. ADDRESS OF OPERATOR: 1050 17th Street Suite 500 CITY Denver STATE CO ZIP 80265 / PHONE NUMBER: (303) 308-3068	10. FIELD AND POOL, OR WILDCAT:
4. LOCATION OF WELL FOOTAGES AT SURFACE: attached QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:	COUNTY: Uintah STATE: UTAH

11 CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☑ NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: 1/1/2007	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☐ SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: Operator Name Change
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Effective January 1, 2007 operator of record, QEP Uinta Basin, Inc., will hereafter be known as QUESTAR EXPLORATION AND PRODUCTION COMPANY. This name change involves only an internal corporate name change and no third party change of operator is involved. The same employees will continue to be responsible for operations of the properties described on the attached list. All operations will continue to be covered by bond numbers:
Federal Bond Number: 965002976 (BLM Reference No. ESB000024)
Utah State Bond Number: 965003033
Fee Land Bond Number: 965003033
Current operator of record, QEP UINTA BASIN, INC., hereby resigns as operator of the properties as described on the attached list.

Jay B. Neese, Executive Vice President, QEP Uinta Basin, Inc.

Successor operator of record, QUESTAR EXPLORATION AND PRODUCTION COMPANY, hereby assumes all rights, duties and obligations as operator of the properties as described on the attached list

Jay B. Neese, Executive Vice President
Questar Exploration and Production Company

NAME (PLEASE PRINT) Debra K. Stanberry TITLE Supervisor, Regulatory Affairs

SIGNATURE DATE 3/16/2007

(This space for State use only)

RECEIVED
APR 19 2007
DIV. OF OIL, GAS & MINING

(5/2000) (See Instructions on Reverse Side)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER: see attached	
6. IF INDIAN, ALLOTTEE OR TRIBE NAME: see attached	
7. UNIT or CA AGREEMENT NAME: see attached	
1 TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ OTHER	8. WELL NAME and NUMBER: see attached
2. NAME OF OPERATOR: QUESTAR EXPLORATION AND PRODUCTION COMPANY	9. API NUMBER: attached
3 ADDRESS OF OPERATOR: 1050 17th Street Suite 500 CITY Denver STATE CO ZIP 80265 PHONE NUMBER: (303) 308-3068	10. FIELD AND POOL, OR WILDCAT:
4 LOCATION OF WELL: FOOTAGES AT SURFACE: attached; QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:	COUNTY: Uintah; STATE: UTAH

11 CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☑ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start: 1/1/2007	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☐ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: Well Name Changes
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12 DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

PER THE ATTACHED LIST OF WELLS, QUESTAR EXPLORATION AND PRODUCTION COMPANY REQUESTS THAT THE INDIVIDUAL WELL NAMES BE UPDATED IN YOUR RECORDS.

NAME (PLEASE PRINT) Debra K. Stanberry TITLE Supervisor, Regulatory Affairs

SIGNATURE [signature] DATE 4/17/2007

(This space for State use only)

RECEIVED
APR 19 2007
DIV. OF OIL, GAS & MINING

(5/2000)

(See Instructions on Reverse Side)

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155

TAKE PRIDE IN AMERICA

IN REPLY REFER TO
3180
UT-922

April 23, 2007

Questar Exploration and Production Company
1050 17th Street, Suite 500
Denver, Colorado 80265

Re: Red Wash Unit
Uintah County, Utah

Gentlemen:

On April 12, 2007, we received an indenture dated April 6, 2007, whereby QEP Uinta Basin, Inc. resigned as Unit Operator and Questar Exploration and Production Company was designated as Successor Unit Operator for the Red Wash Unit, Uintah County, Utah.

This indenture was executed by all required parties and the signatory parties have complied with Sections 5 and 6 of the unit agreement. The instrument is hereby approved effective April 23, 2007. In approving this designation, the Authorized Officer neither warrants nor certifies that the designated party has obtained all required approval that would entitle it to conduct operations under the Red Wash Unit Agreement.

Your nationwide oil and gas bond No. ESB000024 will be used to cover all federal operations within the Red Wash Unit.

It is requested that you notify all interested parties of the change in unit operator. Copies of the approved instruments are being distributed to the appropriate federal offices, with one copy returned herewith.

Sincerely,

/s/ Greg J. Noble

Greg J. Noble
Acting Chief, Branch of Fluid Minerals

Enclosure
bcc: Field Manager - Vernal (w/enclosure)
SITLA
Division of Oil, Gas & Mining
File - Red Wash Unit (w/enclosure)
Agr. Sec. Chron
Reading File
Central Files
UT922:TAThompson:tt:4/23/07

FORM 3

AMENDED REPORT ☐

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

APPLICATION FOR PERMIT TO DRILL		**1. WELL NAME and NUMBER** RW 14-24A
2. TYPE OF WORK DRILL NEW WELL ○ REENTER P&A WELL ○ DEEPEN WELL ●		**3. FIELD OR WILDCAT** RED WASH
4. TYPE OF WELL Gas Well Coalbed Methane Well: NO		**5. UNIT or COMMUNITIZATION AGREEMENT NAME** RED WASH
6. NAME OF OPERATOR QUESTAR EXPLORATION & PRODUCTION CO		**7. OPERATOR PHONE** 435 781-4362
8. ADDRESS OF OPERATOR 11002 East 17500 South, Vernal, UT, 84078		**9. OPERATOR E-MAIL** rick.canterbury@questar.com
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) UTU-0561	**11. MINERAL OWNERSHIP** FEDERAL ● INDIAN ○ STATE ○ FEE ○	**12. SURFACE OWNERSHIP** FEDERAL ● INDIAN ○ STATE ○ FEE ○
13. NAME OF SURFACE OWNER (if box 12 = 'fee')		**14. SURFACE OWNER PHONE (if box 12 = 'fee')**
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')		**16. SURFACE OWNER E-MAIL (if box 12 = 'fee')**
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')	**18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS** YES ○ (Submit Commingling Application) NO ●	**19. SLANT** VERTICAL ● DIRECTIONAL ○ HORIZONTAL ○

20. LOCATION OF WELL	**FOOTAGES**	**QTR-QTR**	**SECTION**	**TOWNSHIP**	**RANGE**	**MERIDIAN**
LOCATION AT SURFACE	660 FSL 711 FWL	SWSW	24	7.0 S	22.0 E	S
Top of Uppermost Producing Zone	660 FSL 711 FWL	SWSW	24	7.0 S	22.0 E	S
At Total Depth	660 FSL 711 FWL	SWSW	24	7.0 S	22.0 E	S

21. COUNTY UINTAH	**22. DISTANCE TO NEAREST LEASE LINE (Feet)** 660	**23. NUMBER OF ACRES IN DRILLING UNIT** 1920
	25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 2000	**26. PROPOSED DEPTH** MD: 11957 TVD: 11957
27. ELEVATION - GROUND LEVEL 5116	**28. BOND NUMBER** ESB000024	**29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE** A36125 - 49-2153

ATTACHMENTS

VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES

☑ **WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER**	☑ **COMPLETE DRILLING PLAN**
☐ **AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)**	☐ **FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER**
☐ **DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)**	☑ **TOPOGRAPHICAL MAP**

NAME Jan Nelson	**TITLE** Permit Agent	**PHONE** 435 781-4331
SIGNATURE	**DATE** 10/08/2009	**EMAIL** jan.nelson@questar.com

API NUMBER ASSIGNED 43047151660000	**APPROVAL**  Permit Manager

Proposed Hole, Casing, and Cement						
String	**Hole Size**	**Casing Size**	**Top (MD)**	**Bottom (MD)**		
Surf	15	10.75	0	435		
Pipe	**Grade**	**Length**	**Weight**			
	Grade J-55 ST&C	435	40.5			

Proposed Hole, Casing, and Cement						
String	**Hole Size**	**Casing Size**	**Top (MD)**	**Bottom (MD)**		
L1	9	7	0	5990		
Pipe	**Grade**	**Length**	**Weight**			
	Grade J-55 LT&C	5990	23.0			

Proposed Hole, Casing, and Cement						
String	**Hole Size**	**Casing Size**	**Top (MD)**	**Bottom (MD)**		
Prod	6.125	4.5	0	11957		
Pipe	**Grade**	**Length**	**Weight**			
	Grade N-80 LT&C	11957	13.5			

ONSHORE OIL & GAS ORDER NO. 1
QUESTAR EXPLORATION & PRODUCTION COMPANY
RW 14-24A

DRILLING PROGRAM

ONSHORE OIL & GAS ORDER NO. 1
Approval of Operations on Onshore
Federal Oil and Gas Leases

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil & Gas No. 1, and the approved plan of operations. The operator is fully responsible for the actions of its subcontractors. A copy of these conditions will be furnished the field representative to insure compliance.

1. Formation Tops

The estimated top of important geologic markers are as follows:

Formation	Depth, TVD & MD
Green River	3,045'
Mohagany	3,917'
Original TD	6,256'
Wasatch	6,457'
Mesaverde	9,247'
Sego	11,627'
Castlegate	11,907'
TD	11,957'

2. Anticipated Depths of Oil, Gas, Water, and Other Mineral Bearing Zones

The estimated depths at which the top an bottom of the anticipated water, oil, gas, or other mineral bearing formations are expected to be encountered as follows:

Substance	Formation	Depth, TVD & MD
Gas	Wasatch	6,457'
Gas	Mesaverde	9,247'
Gas	Sego	11,627'
Gas	Castlegate	11,907'

All fresh water and prospectively valuable minerals encountered during drilling will be recorded by depth and adequately protected. All oil and gas shows will be tested to determine commercial potential.

All water shows and water-bearing sands will be reported to the BLM in Vernal, Utah. Copies of State of Utah form OGC-8-X are acceptable. If flows are detected, samples will be submitted to the BLM along with any water analyses conducted. Fresh water will be obtained from Wonsits Valley water right A36125 (which was filed on May 7, 1964) or Red Wash water right # 49-2153 (which was filed on March 25, 1960). It was determined by the Fish and Wildlife Service that any water right number filed before 1989 is not depleting to the Upper Colorado River System, to supply fresh water for drilling purposes. All water resulting from drilling operations will be disposed of at Red Wash Central Battery Disposal site; SWSE, Section 27, T7S, R23E or Wonsits Valley Disposal Site; SWNW, Section 12, T8S, R21E.

3. Operator's Specification for Pressure Control Equipment

A. 7 1/16" or 11" as available 5000 psi double ram with blind rams and pipe rams, annular preventer and drilling spool or BOP with 2 side outlets.

B. All BOP connection subject to pressure shall be flanged, welded or clamped.

C. Kill line (2" min), 2 choke line valves (3" min), choke line (3" min), 2 kill line valves (2" min) and a check valve, 2 chokes with one remotely controlled from rig floor and a pressure gauge on choke manifold.

D. Upper and Lower Kelly cock valves with handles and safety valve and subs to fit all drill string connections.

E. IBOP or float sub available.

F. Fill up line must be installed above the uppermost preventer.

G. Ram type preventers and associated equipment shall be tested to approved stack working pressure if isolated by test plug or to 50 percent of internal yield pressure of casing whichever is less. BOP and related equipment shall meet the minimum requirements of Onshore Oil and Gas Order No. 2 for equipment and testing requirements, procedures, etc…, for a 5M system and individual components shall be operable as designed.

4. Casing Design:

Hole Size	Csg. Size	Top (MD)	Bottom (MD)	Wt.	Grade	Thread	Cond.	Expected MW(ppg)
15"	10 ¾"	sfc	435'	40.5#	J-55	STC	Existing	N/A
9"	7"	sfc	5,990'	23#	J-55	LTC	Existing	N/A
6 1/8"	4 1/2"	sfc	11,957'	13.5#	N-80	LTC	New	8.8 – 9.6

Casing Strengths:				Collapse	Burst	Tensile (min)
10 ¾"	40.5#	J-55	STC	1,580 psi	3,130 psi	420,000 lb.
7"	23#	J-55	LTC	3,270 psi	4,360 psi	313,000 lb.
4 1/2"	13.5#	N-80	LTC	8,540 psi	9,020 psi	270,000 lb.

Casing Design Factors
Burst: 1.4
Collapse: 1.3
Tension: 1.4

Maximum anticipated mud weight: 11 ppg (RW 34-34AD)
Anticipated Frac Pressure: 4,500 psi

5. Cementing Program

4-1/2" Production Casing: sfc – 11,957'(MD)*

Lead Slurry: 3,000 – 5,990'. 130 sks (331 ft^3) Halliburton Light Premium, 0.2% WG-17 (Gelling Agent), 0.2% CFR-3 (Dispersant), 0.2% HR-5 (Retarder) Slurry Weight 11.5 lb/gal, 2.57 ft^3/sk, 0% excess

Tail Slurry: 5,990' – 11,957'. 415sks (703ft^3) 50/50 Poz Premium Cement, 3 lb/sk Silicalite (Light Weight Additive), 0.2% Super CBL (Expander), 0.3% HR-5 (Retarder), 0.5% Halad-344 (Fluid Loss Control), 20% SSA-1 (Fluid Loss Control), 0.3% CFR-3 (Dispersant), Slurry Weight 13.5 lb/gal, 1.70 ft^3/sk, 25% excess over open hole portion
*Final cement volumes to be calculated from caliper log and will attempt to pump cement to 3,000'.

6. Auxiliary Equipment

A. Kelly Cock – yes

B. Float at the bit – yes

C. Monitoring equipment on the mud system – PVT/Flow Show

D. Full opening safety valve on the rig floor – yes

E. Drilling below the 7" casing will be done with water based mud. Maximum anticipated mud weight is 11 ppg.

F. No minimum quantity of weight material will be required to be kept on location.

G. Gas detector will be used from intermediate casing depth to TD.

7. Testing, logging and coring program

A. Cores – none.

B. DST – none anticipated

C. Logging – Mud logging – Surface Casing to TD
GR-SP-Induction, Neutron Density.

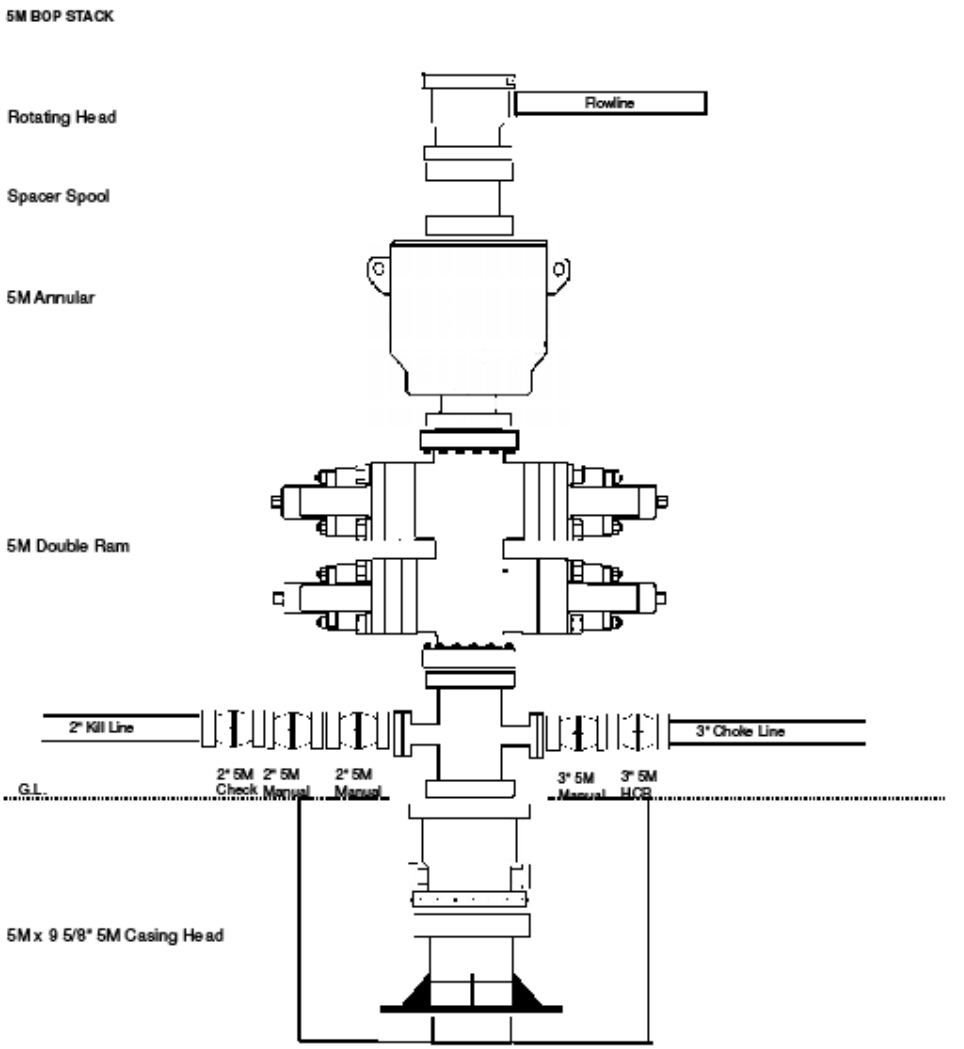
D. Formation and Completion Interval:
– Stimulation will be designed for the particular area of interest as encountered.

8. Anticipated Abnormal Pressures and Temperatures, Other Potential Hazards

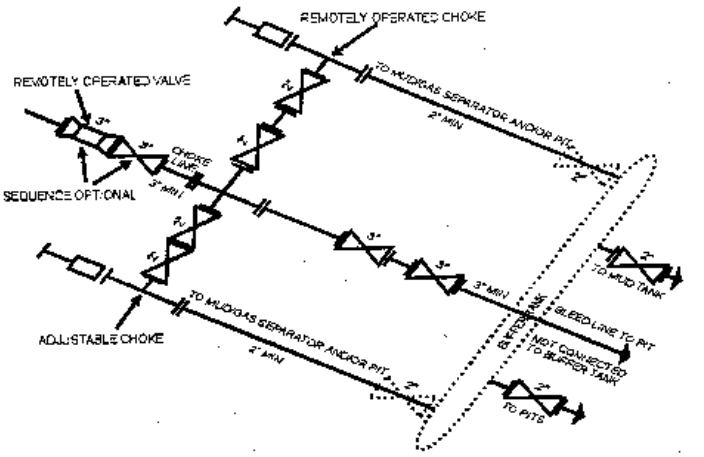
No abnormal temperatures or pressures are anticipated. Maximum anticipated bottom hole pressure equals approximately 6,738 psi. Maximum anticipated bottom hole temperature is 210° F.

H2S has not been encountered in other wells drilled to similar depths in the general area.

ONSHORE OIL & GAS ORDER NO. 1
QUESTAR EXPLORATION & PRODUCTION COMPANY
RW 14-24A



ONSHORE OIL & GAS ORDER NO. 1
QUESTAR EXPLORATION & PRODUCTION COMPANY
RW 14-24A



5M CHOKE MANIFOLD EQUIPMENT - CONFIGURATION OF CHOKES MAY VARY

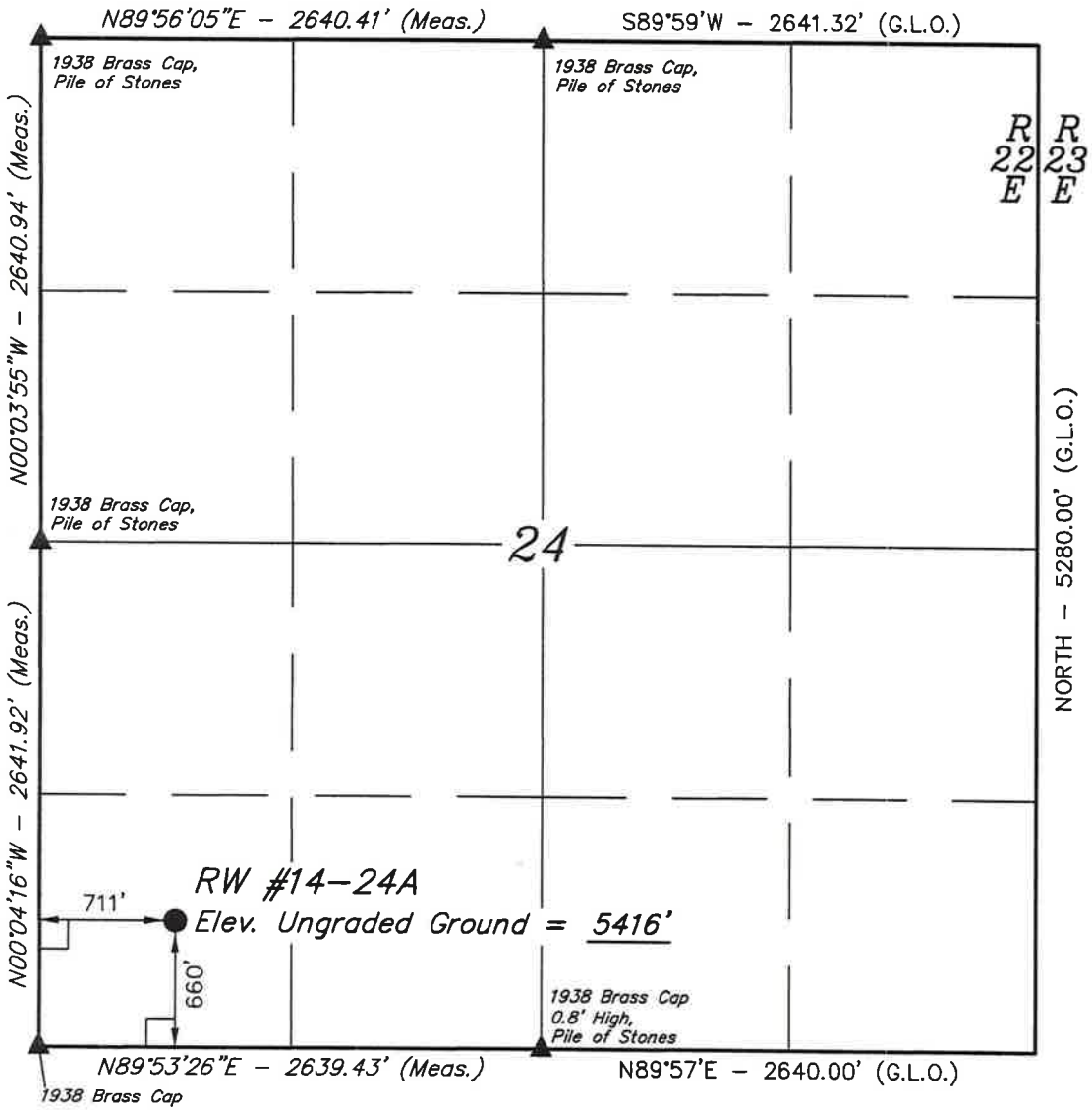
Although not required for any of the choke manifold systems, buffer tanks are sometimes installed downstream of the choke assemblies for the purpose of manifolding the bleed lines together. When buffer tanks are employed, valves shall be installed upstream to isolate a failure or malfunction without interrupting flow control. Though not shown on 2M, 3M, 10M, OR 15M drawings, it would also be applicable to those situations.

[54 FR 39528, Sept. 27, 1989]

QUESTAR EXPLR. & PROD.

Well location, RW #14-24A, located as shown in the SW 1/4 SW 1/4 of Section 24, T7S, R22E, S.L.B.&M., Uintah County, Utah

T7S, R22E, S.L.B.&M.



LEGEND:

└ = 90° SYMBOL

● = PROPOSED WELL HEAD.

▲ = SECTION CORNERS LOCATED.

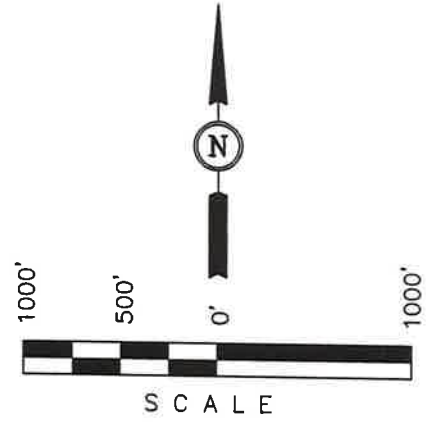
(NAD 83)
LATITUDE = 40°11'29.53" (40.191536)
LONGITUDE = 109°23'42.82" (109.395228)
(NAD 27)
LATITUDE = 40°11'29.66" (40.191572)
LONGITUDE = 109°23'40.36" (109.394544)

BASIS OF ELEVATION

BENCH MARK 20EAM LOCATED IN THE SE 1/4 OF SECTION 35, T8S, R21E, S.L.B.&M. TAKEN FROM THE OURAY SE, QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE QUAD. (TOPOGRAPHIC MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4697 FEET.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



SCALE

CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 08-10-09	DATE DRAWN: 08-11-09
PARTY M.A. S.L. L.K.	REFERENCES G.L.O. PLAT	
WEATHER HOT	FILE QUESTAR EXPLR. & PROD.	

'APIWellNo:43047151660000'

’APIWellNo:43047151660000’

QUESTAR EXPLR. & PROD.

RW #14-24A

LOCATED IN UINTAH COUNTY, UTAH
SECTION 24, T7S, R22E, S.L.B.&M.

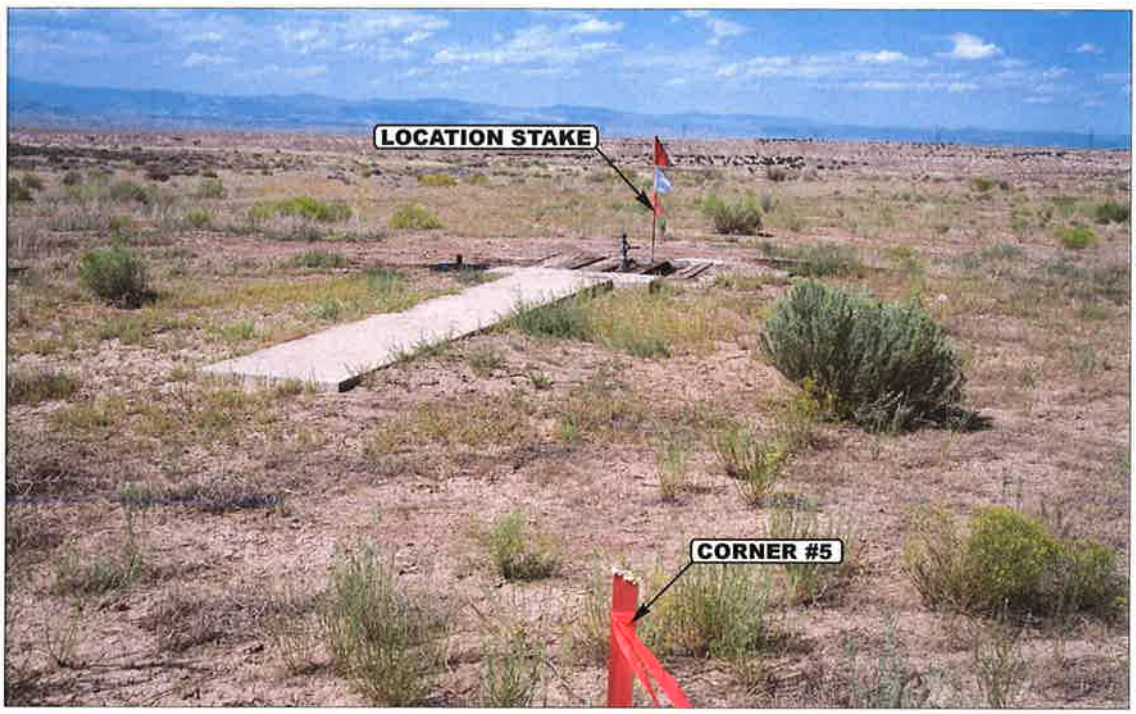


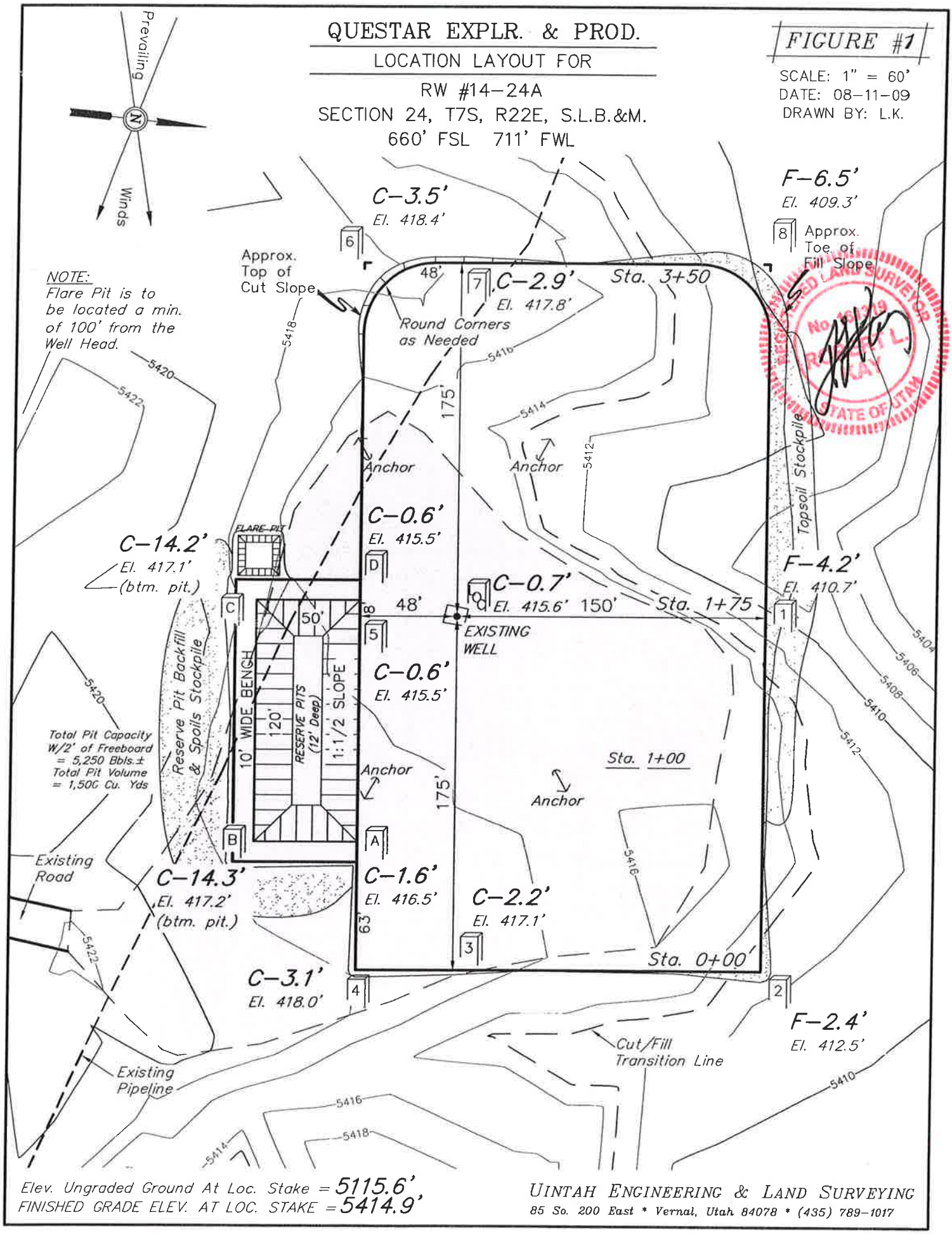
PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKE **CAMERA ANGLE: NORTHERLY**

PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS **CAMERA ANGLE: NORTHERLY**

- Since 1964 -
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

LOCATION PHOTOS	08 MONTH	12 DAY	09 YEAR	PHOTO
TAKEN BY: M.A.	DRAWN BY: J.H.	REVISED: 00-00-00		

'APIWellNo:43047151660000'



'APIWellNo:43047151660000'

QUESTAR EXPLR. & PROD.

TYPICAL CROSS SECTION FOR

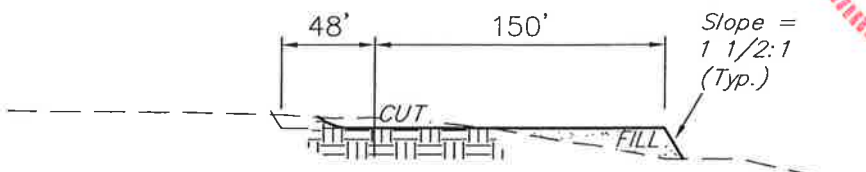
RW #14-24A
SECTION 24, T7S, R22E, S.L.B.&M.
660' FSL 711' FWL

FIGURE #2

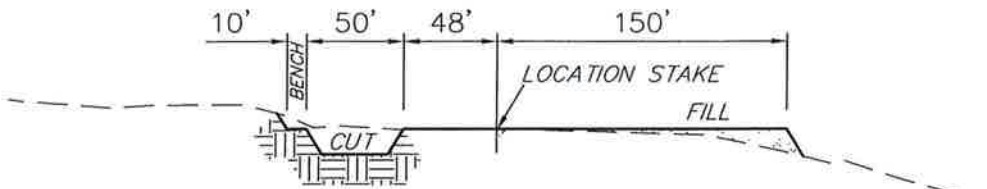
1" = 40'
X-Section Scale
1" = 100'

DATE: 08-11-09
DRAWN BY: L.K.

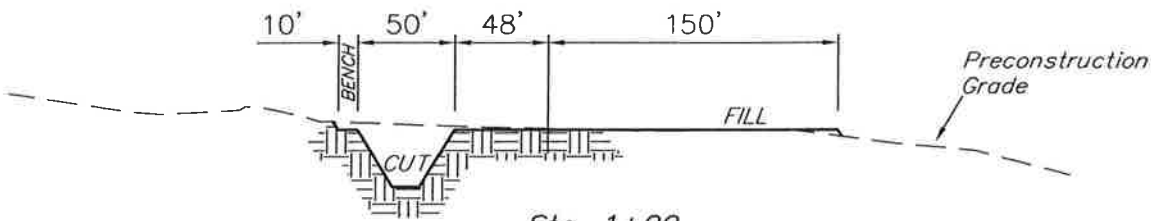
REGISTERED LAND SURVEYOR
No. 161319
ROBERT L. KAY
STATE OF UTAH



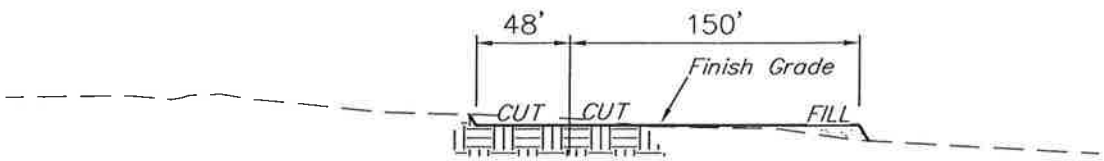
Sta. 3+50



Sta. 1+75



Sta. 1+00



Sta. 0+00

APPROXIMATE ACREAGES

EXISITNG WELL SITE DISTURBANCE = ± 1.061 ACRES
PROPOSED WELL SITE DISTURBANCE = ± 1.914 ACRES
PIPELINE DISTURBANCE = ± 1.303 ACRES
TOTAL = ± 4.278 ACRES

* NOTE:
FILL QUANTITY INCLUDES 5% FOR COMPACTION

APPROXIMATE YARDAGES

(6") Topsoil Stripping	=	1,550 Cu. Yds.
Remaining Location	=	3,410 Cu. Yds.
TOTAL CUT	=	4,960 CU.YDS.
FILL	=	2,660 CU.YDS.

DEFICIT MATERIAL	=	2,300 Cu. Yds.
Topsoil & Pit Backfill (1/2 Pit Vol.)	=	2,300 Cu. Yds.
DEFICIT UNBALANCE (After Interim Rehabilitation)	=	0 Cu. Yds.

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

'APIWellNo:43047151660000'

QUESTAR EXPLR. & PROD.

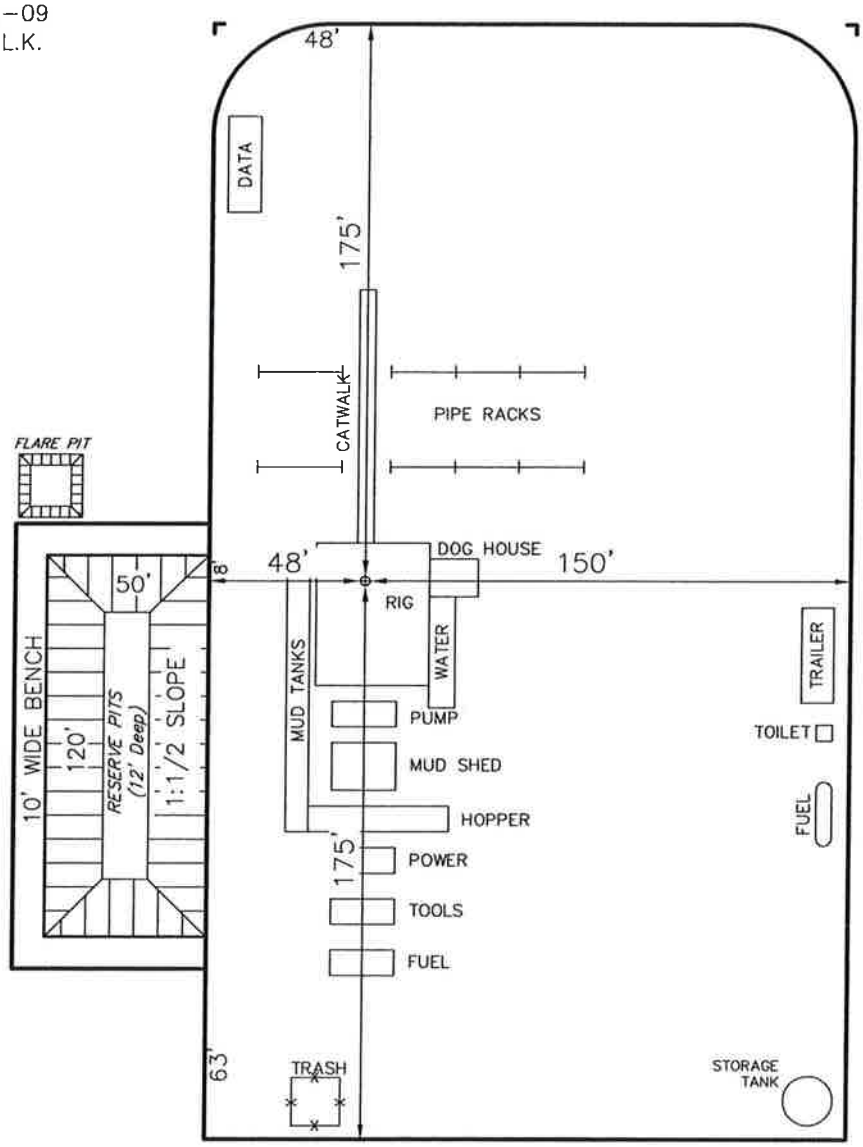
TYPICAL RIG LAYOUT FOR

RW #14-24A
SECTION 24, T7S, R22E, S.L.B.&M.
660' FSL 711' FWL

FIGURE #3

REGISTERED LAND SURVEYOR
No. [illegible]
ROBERT L. KAY
STATE OF UTAH

SCALE: 1" = 60'
DATE: 08-11-09
DRAWN BY: L.K.



Pit Capacity
of Freeboard
6,250 Bbls.±
l Pit Volume
,500 Cu. Yds

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

QUESTAR EXPLR. & PROD.

RW #14-24A

LOCATED IN UINTAH COUNTY, UTAH
SECTION 24, T7S, R22E, S.L.B.&M.

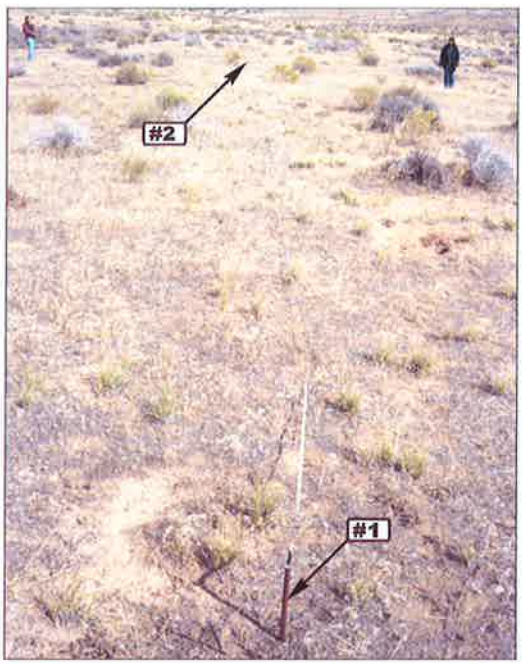
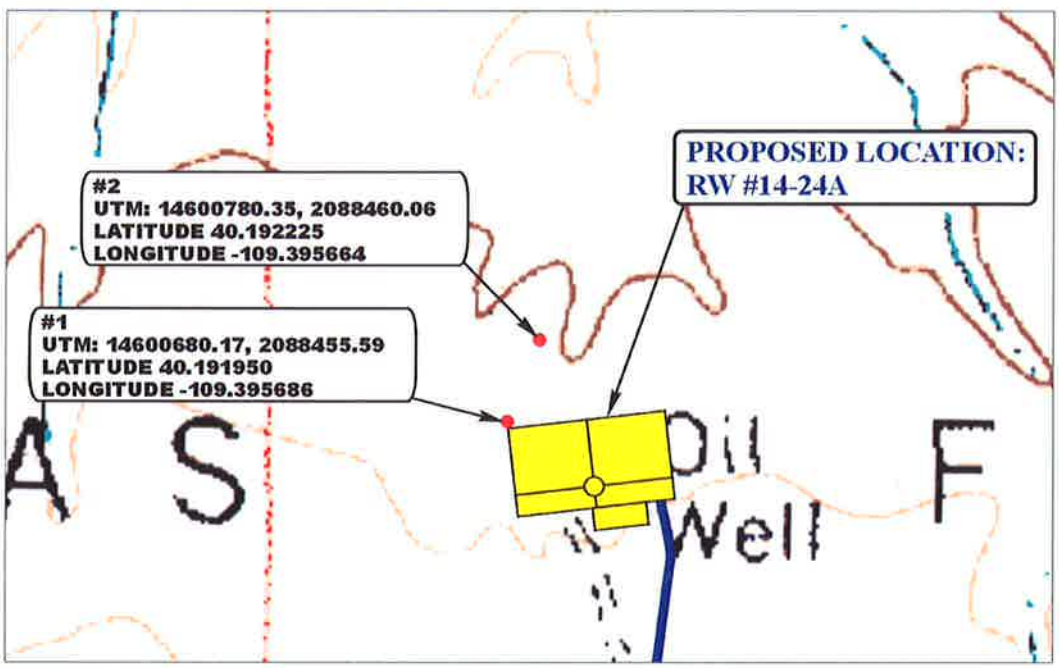


PHOTO: VIEW FROM REFERENCE POINT #1 TO POINT #2 **CAMERA ANGLE: NORTHEASTERLY**



TOPOGRAPHIC MAP OF LOCATION **SCALE: 1"= 200'**

- Since 1964 -
Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

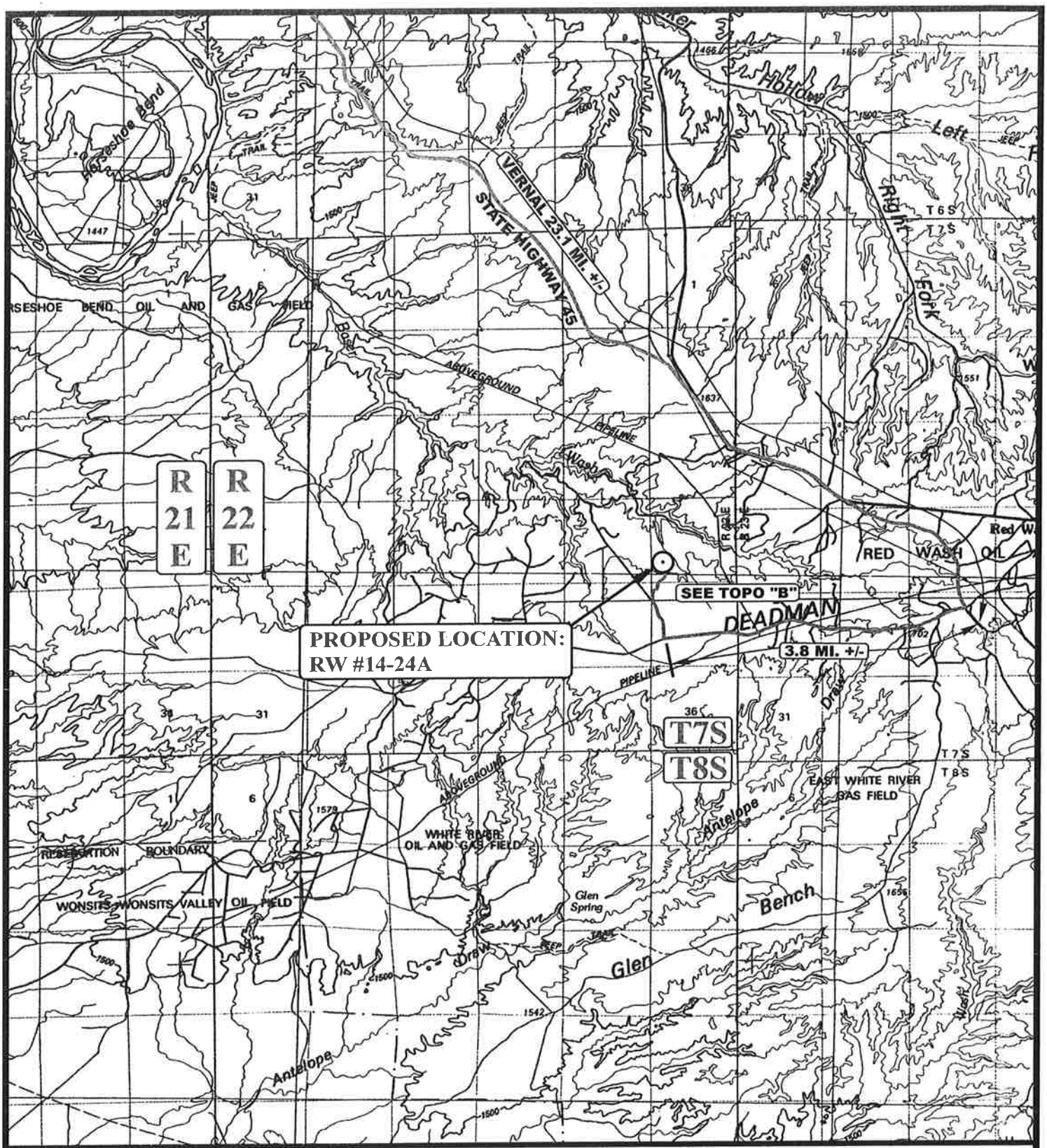
REFERENCE AREA MAP	10 MONTH	02 DAY	09 YEAR	REF.
TAKEN BY: M.A.	DRAWN BY: J.H.	REVISED: 00-00-00		

QUESTAR EXPLR. & PROD.
RW #14-24A
SECTION 24 , T7S, R22E, S.L.B.&M.

PROCEED IN AN EASTERLY, THEN SOUTHERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 3.9 MILES TO THE JUNCTION OF STATE HIGHWAY 45; EXIT RIGHT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 19.2 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE WEST; TURN RIGHT AND PROCEED IN A WESTERLY DIRECTION APPROXIMATELY 3.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; TURN RIGHT AND PROCEED IN A NORTHERLY DIRECTION APPROXIMATELY 0.5 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN RIGHT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 400' TO THE BEGINNING OF THE PROPOSED ACCESS TO THE NORTH; FOLLOW ROAD FLAGS IN A NORTHERLY DIRECTION APPROXIMATELY 0.4 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 27.8 MILES.

’APIWellNo:43047151660000’



LEGEND:

⊙ PROPOSED LOCATION

N

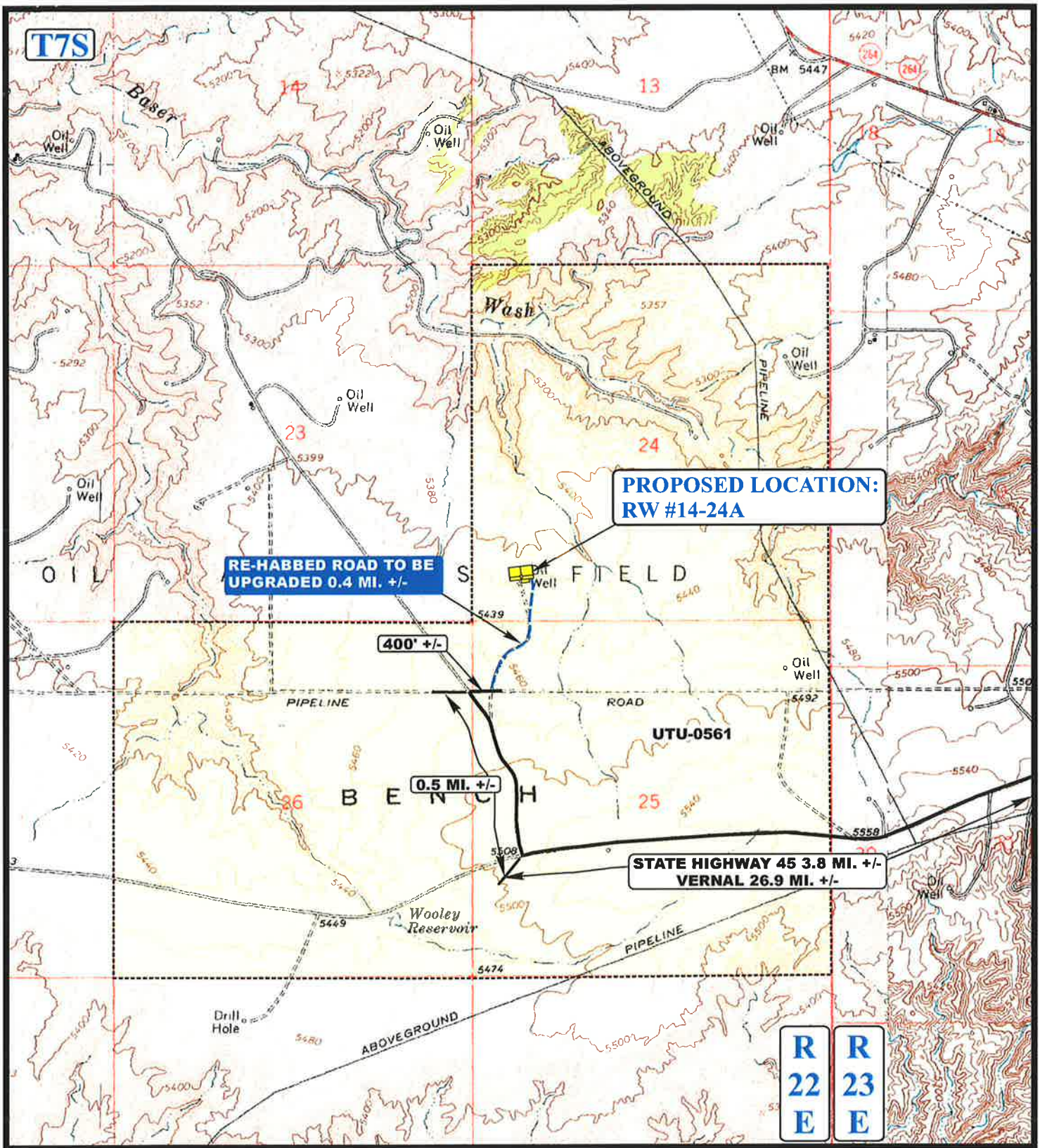
QUESTAR EXPLR. & PROD.

RW #14-24A
SECTION 27, T7S, R22E, S.L.B.&M.
660' FSL 711' FWL

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	08 MONTH	12 DAY	09 YEAR	A TOPO
SCALE: 1:100,000	DRAWN BY: J.H.	REVISED: 00-00-00		

'APIWellNo:43047151660000'



LEGEND:

EXISTING ROAD

RE-HABBBED ROAD TO BE UPGRADED

N

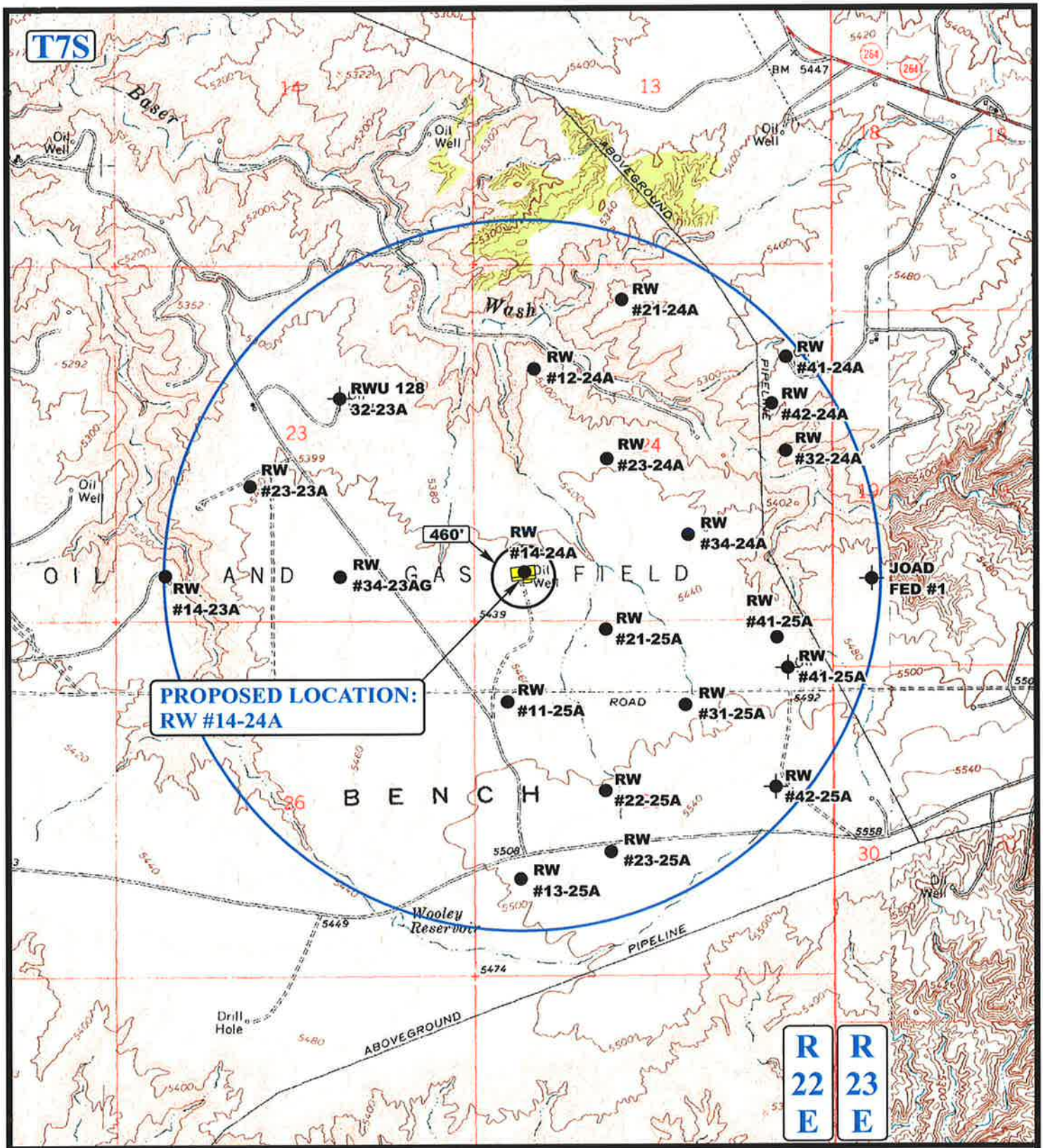
QUESTAR EXPLR. & PROD.

RW #14-24A
SECTION 27, T7S, R22E, S.L.B.&M.
660' FSL 711' FWL

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	08 MONTH	12 DAY	09 YEAR	B TOPO
SCALE: 1" = 2000'	DRAWN BY: J.H.	REVISED: 00-00-00		

’APIWellNo:43047151660000’



LEGEND:

- DISPOSAL WELLS
- PRODUCING WELLS
- SHUT IN WELLS
- WATER WELLS
- ABANDONED WELLS
- TEMPORARILY ABANDONED

N

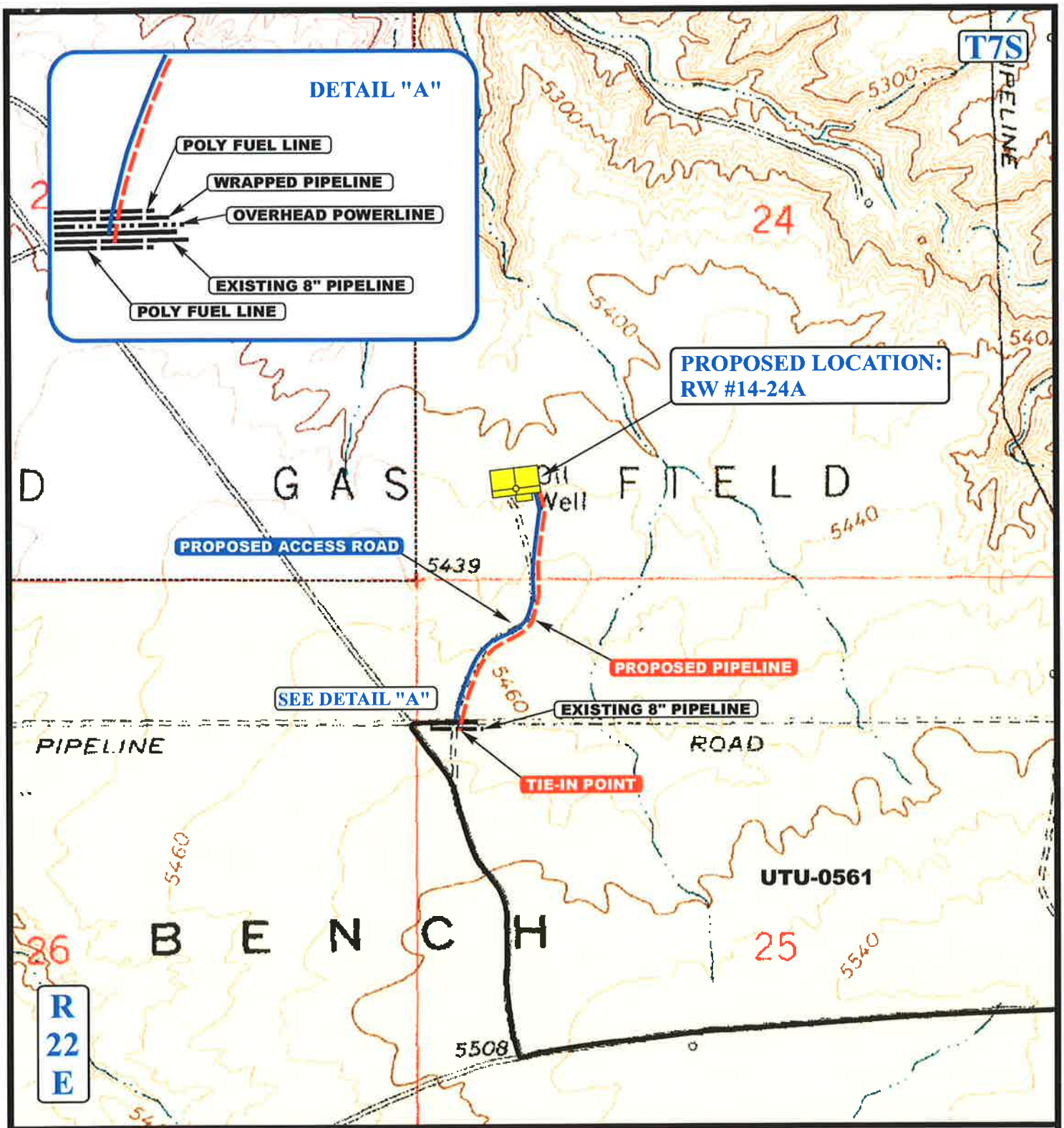
QUESTAR EXPLR. & PROD.

RW #14-24A
SECTION 27, T7S, R22E, S.L.B.&M.
660' FSL 711' FWL

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	08 MONTH	12 DAY	09 YEAR	C TOPO
SCALE: 1" = 2000'	DRAWN BY: J.H.	REVISED: 00-00-00		

'APIWellNo:43047151660000'



APPROXIMATE TOTAL PIPELINE DISTANCE = 1,892' +/-

LEGEND:

- PROPOSED ACCESS ROAD
- EXISTING PIPELINE
- EXISTING UTILITY
- PROPOSED PIPELINE

N

QUESTAR EXPLR. & PROD.

RW #14-24A
SECTION 27, T7S, R22E, S.L.B.&M.
660' FSL 711' FWL

Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

TOPOGRAPHIC MAP	08 MONTH	12 DAY	09 YEAR	D TOPO
SCALE: 1" = 1000'	DRAWN BY: J.H.	REVISED: 00-00-00		

QUESTAR EXPLORATION AND PRODUCTION

RW 14-24A Drilling Prog
API: 43-047-15166
Summarized Re-Entry Procedure

1. Clear location of all unnecessary equipment.
2. MIRU pulling unit.
3. ND tubing head, NU BOP's (3M).
4. Kill well if necessary.
5. Unseat tubing anchor and POOH with 162 jts 2 $^{7}/_{8}$" tubing.
6. PU bit and 7" casing scraper, RIH to 5,896' and tag bottom.
7. Roll hole with hot oiler, TOOH with bit and scraper.
8. Squeeze existing open perfs and pressure test.
9. ND BOP's
10. RD pulling unit, move off location.
11. MIRU drilling rig.
12. NU rig's 5,000 WP rated BOP.
13. Drill out shoe and down to 11,957' TVD.
14. TOOH, and rig up logging truck.
15. Log well.
16. Circulate and condition hole, TOOH, LDDP.
17. RU casing crew and run 4 ½" casing.
18. RU cement crew and cement casing.
19. ND BOP's.
20. RDMOL.

QUESTAR EXPLORATION & PRODUCTION, CO.
RW 14-24A
660' FSL 711' FWL
SWSW, SECTION 24, T7S, R22E
UINTAH COUNTY, UTAH
LEASE # UTU-0561

ONSHORE ORDER NO. 1

MULTI – POINT SURFACE USE & OPERATIONS PLAN

An onsite inspection was conducted for the RW 14-24A on September 30, 2009. Weather conditions were cold and windy at the time of the onsite. In attendance at the inspection were the following individauls:

Holly Villa	Bureau of Land Management
Dixie Sadlier	Bureau of Land Management
Steve Strong	Bureau of Land Management
Jan Nelson	Questar Exploration & Production, Co.
Stephanie Tomkinson	Questar Exploration & Production, Co.
McCoy Anderson	Uintah Engineering & Land Surveying

1. Existing Roads:

The proposed well site is approximately 28 miles South of Vernal, Utah.

Refer to Topo Maps A and B for location of access roads within a 2 – mile radius.

All existing roads will be maintained and kept in good repair during all phases of operation.

2. Planned Access Roads:

Please refer to Questar Exploration & Production Company Greater Deadmen Bench EIS UT-080-2003-0369V Record of Decision dated March 31, 2008.

Refer to Topo Map B for the location of the proposed access road.

No new access road is proposed. The access to be used is the access to the existing RW 14-24A location. Graveling or capping the roadbed will be preformed as necessary to provide a well constructed safe road.

3. Location of Existing Wells Within a 1 – Mile Radius:

Please refer to Topo Map C.

4. Location of Existing & Proposed Facilities:

Please refer to Questar Exploration & Production Company Greater Deadmen Bench EIS UT-080-2003-0369V Record of Decision dated March 31, 2008.

Refer to Topo Map D for the location of the proposed pipeline.

Pipeline will be 6" or smaller.

It was determined on the onsite by the BLM VFO AO that the facilities will be painted Carlsbad Canyon.

5. Location and Type of Water Supply:

Please refer to Questar Exploration & Production Company Greater Deadmen Bench EIS UT-080-2003-0369V Record of Decision dated March 31, 2008.

Water for drilling purposes would be obtained from Wonsits Valley Water Right # A 36125 (which was filed on May 7, 1964) or Red Wash Water Right # 49-2153 (which was filed on March 25, 1960). It was determined by the Fish and Wildlife Service that any water right number filed before 1989 is not depleting to the Upper Colorado River System.

6. Source of Construction Materials:

Please refer to Questar Exploration & Production Company Greater Deadmen Bench EIS UT-080-2003-0369V Record of Decision dated March 31, 2008.

7. Methods of Handling Waste Materials:

Please refer to Questar Exploration & Production Company Greater Deadmen Bench EIS UT-080-2003-0369V Record of Decision dated March 31, 2008.

8. Ancillary Facilities:

Please refer to Questar Exploration & Production Company Greater Deadmen Bench EIS UT-080-2003-0369V Record of Decision dated March 31, 2008.

9. Well Site Layout: (See Location Layout Diagram)

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s).

Please see the attached diagram to describe rig orientation, parking areas, and access roads.

A pit liner is required. A felt pit liner will be required if bedrock is encountered.

10. Plans for Reclamation of the Surface:

Please refer to Questar Exploration & Production Company Uinta Basin Division Reclamation Plan

Site Specific Procedures:

Dirt Work

Once the reserve pit is dry, it will be backfilled with spoil dirt.
Location will be recontoured to blend with original contours and adjacent topography.
Location will be ripped to relieve compaction.
Topsoil will be spread to the appropriate, uniform depth.
Drainage will be established as appropriate.

Seeding

Topsoil will be disced, subsoil will not be disturbed.
Location will be drill seeded with seed mix 2009 B at a rate of 21 PLS lbs per acre.
Certified weed free straw will be crimped in.

11. Surface Ownership:

Bureau of Land Management
170 South 500 East
Vernal, Utah 84078
(435) 781-4400

12. Other Information

A Class III archaeological survey was conducted by Montgomery Archaeology Consultants. A copy of this report was submitted on September 25, 2009, **Moac Report No. 09-138** by Montgomery Archaeology Consultants. Cultural resource clearance was recommended for this location.

A Class lll paleontological survey was conducted by Intermountain Paleo Consulting. A copy of this report was submitted on September 23, 2009, **IPC # 09-144** by Stephen D. Sandau. The inspection resulted in the location of no fossil resources. However, if vertebrate fossil(s) are found during construction a paleontologist should be immediately notified. QEP will provide paleo monitor if needed.

It was determined and agreed upon that there is 8" inches of top soil.

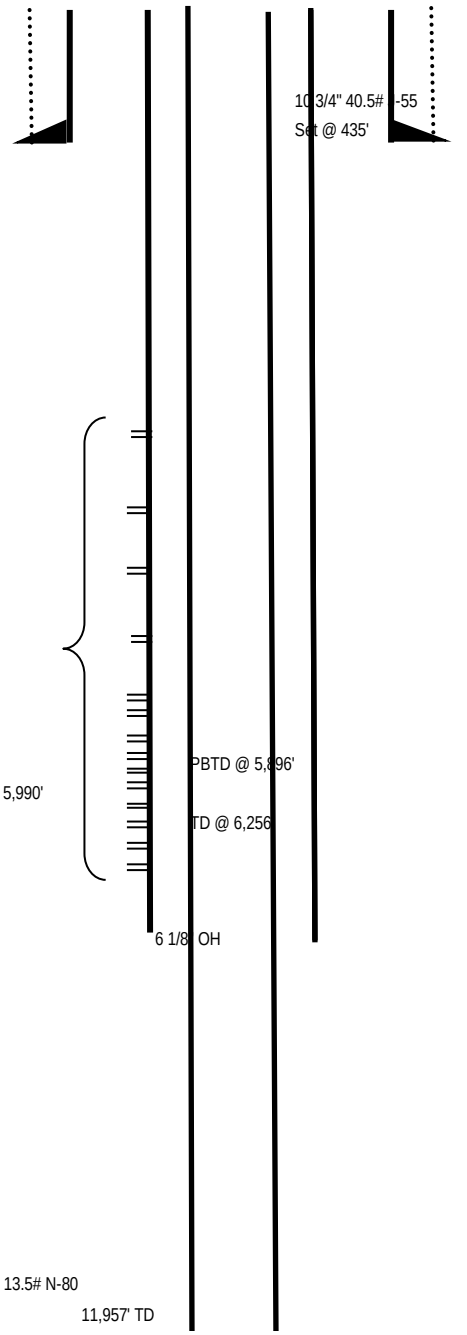
Rock, gravel and culverts as needed.

There is a Red-Tailed Hawk stipulaction form March 15th to August 15th. No construction or drilling will commence during this period unless otherwise determined by a wildlife biologist that the site is inactive.

’APIWellNo:43047151660000’

Updated CJL 8-26-2009

RW 14-24A
API# 43-047-15166
SWSW Sec 24 T7S R22E
Uintah County, Utah
KB
GL 5,416'
Original Spud 1955



'APIWellNo:43047151660000'

Lessee's or Operator's Representative & Certification:

Jan Nelson
Permit Agent
Questar Exploration & Production Company
11002 East 17500 South
Vernal, UT 84078
(435) 781-4331

Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

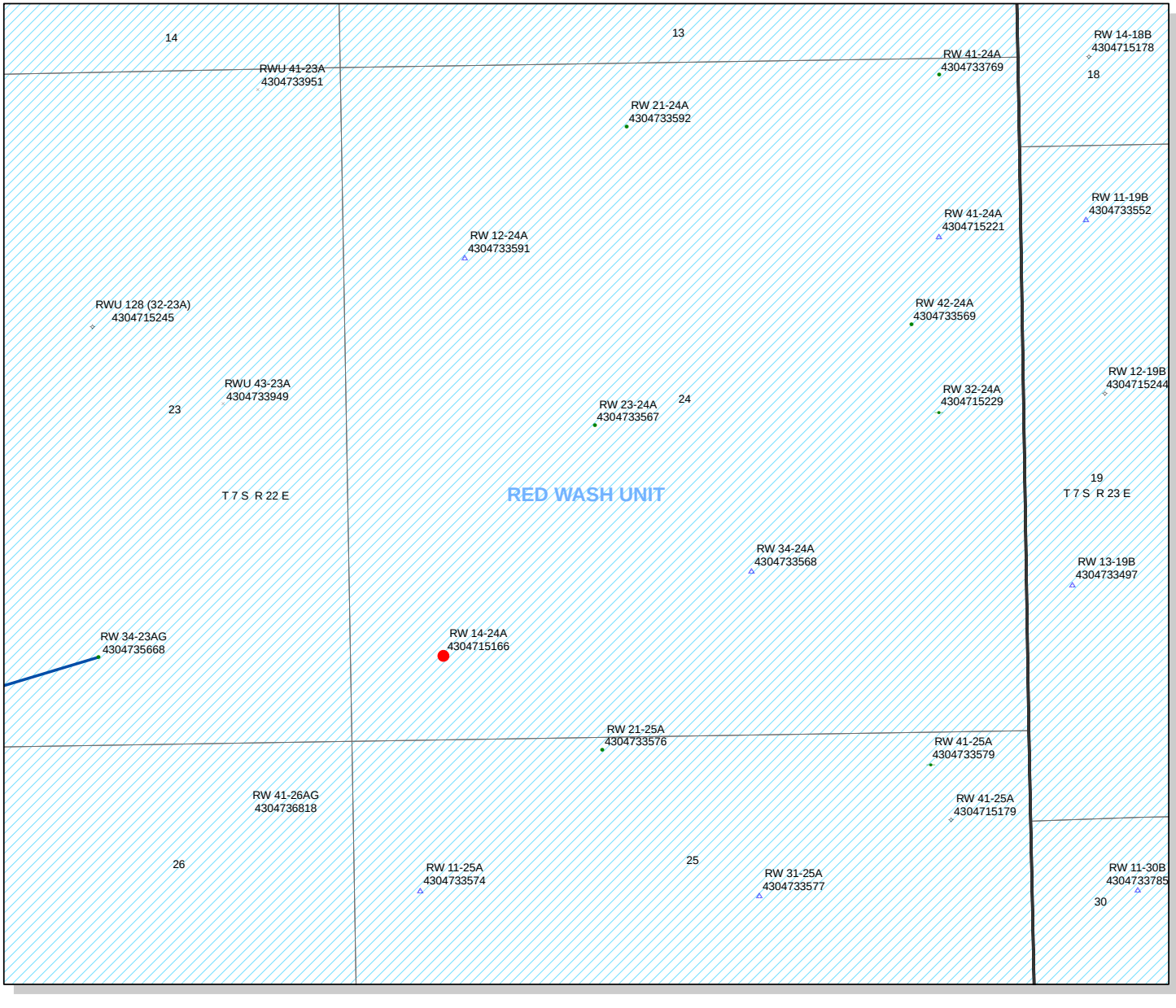
Questar Exploration & Production Company is considered to be the operator of the subject well. Questar Exploration & Production Company agrees to be responsible under terms and conditions of the lease for the operations conducted upon leased lands.

Bond coverage pursuant to 43 CFR 3104.2 for lease activities is being provided by Bond No. ESB000024.

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that I have full knowledge of the State and Federal laws applicable to this operations; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

Jan Nelson	10/8/2009
Jan Nelson	Date

'APIWellNo:43047151660000'



API Number: 4304715166

Well Name: RW 14-24A

Township 07.0 S Range 22.0 E Section 24

Meridian: SLBM

Operator: QUESTAR EXPLORATION & PROD

Map Prepared:
Map Produced by Diana Mason

- GAS INJECTION
- GAS STORAGE
- LOCATION ABANDONED
- NEW LOCATION
- PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- SHUT-IN GAS
- SHUT-IN OIL
- TEMP. ABANDONED
- TEST WELL
- WATER INJECTION
- WATER SUPPLY
- WATER DISPOSAL

Units

Spacing Index

320 160 0 320 Feet

1:9,520

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:
3160
(UT-922)

October 19, 2009

Memorandum

To: Assistant District Manager Minerals, Vernal District

From: Michael Coulthard, Petroleum Engineer

Subject: 2009 Plan of Development Red Wash Unit, Uintah County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for re-entry to the top of the Castlegate Formation. The work is planned for calendar year 2009 within the Red Wash Unit, Uintah County, Utah.

API #	WELL NAME	LOCATION
(Proposed PZ MESAVERDE)		
43-047-15166	RW 14-24A	Sec 24 T07S R22E 660 FSL 711 FWL
43-047-15205	RW 41-27A	Sec 27 T07S R22E 659 FNL 657 FEL

This office has no objection to permitting the wells at this time.

/s/ Michael L. Coulthard

bcc: File - Red Wash Unit
Division of Oil Gas and Mining
Central Files
Agr. Sec. Chron
Fluid Chron

MCoulthard:mc:10-19-09

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 10/8/2009 **API NO. ASSIGNED:** 43047151660000

WELL NAME: RW 14-24A

OPERATOR: QUESTAR EXPLORATION & PRODUCTION CO (N5085) **PHONE NUMBER:** 435 781-4331

CONTACT: Jan Nelson

PROPOSED LOCATION: SWSW 24 070S 220E **Permit Tech Review:** ☑

SURFACE: 0660 FSL 0711 FWL **Engineering Review:** ☐

BOTTOM: 0660 FSL 0711 FWL **Geology Review:** ☑

COUNTY: UINTAH

LATITUDE: 40.19156 **LONGITUDE:** -109.39445

UTM SURF EASTINGS: 636672.00 **NORTHINGS:** 4450045.00

FIELD NAME: RED WASH

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-0561 **PROPOSED PRODUCING FORMATION(S):** WASATCH-MESA VERDE

SURFACE OWNER: 1 - Federal **COALBED METHANE:** NO

RECEIVED AND/OR REVIEWED:

- ☑ **PLAT**
- ☑ **Bond:** FEDERAL - ESB000024
- ☐ **Potash**
- ☐ **Oil Shale 190-5**
- ☐ **Oil Shale 190-3**
- ☐ **Oil Shale 190-13**
- ☑ **Water Permit:** A36125 - 49-2153
- ☐ **RDCC Review:**
- ☐ **Fee Surface Agreement**
- ☐ **Intent to Commingle**

Commingling Approved

LOCATION AND SITING:

- ☐ **R649-2-3.**

Unit: RED WASH

- ☐ **R649-3-2. General**
- ☐ **R649-3-3. Exception**
- ☑ **Drilling Unit**

Board Cause No: Cause 187-07

Effective Date: 9/18/2001

Siting: Suspends General Siting

- ☐ **R649-3-11. Directional Drill**

Comments: Presite Completed
501031 UNIT EFF:000925 OP FR N0210 EFF 1-1-00:030902 OP FR N4235:070430 FR N2460:NM FR RWU 39 (14-24A):

Stipulations: 4 - Federal Approval - dmason

GARY R. HERBERT
Governor
GREGORY S. BELL
Lieutenant Governor

State of Utah
DEPARTMENT OF NATURAL RESOURCES
MICHAEL R. STYLER
Executive Director
Division of Oil, Gas and Mining
JOHN R. BAZA
Division Director

Permit To Drill

****

Well Name: RW 14-24A
API Well Number: 43047151660000
Lease Number: UTU-0561
Surface Owner: FEDERAL
Approval Date: 10/21/2009

Issued to:
QUESTAR EXPLORATION & PRODUCTION CO , 11002 East 17500 South, Vernal, UT 84078

Authority:
Pursuant to Utah Code Ann. §40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of Cause 187-07. The expected producing formation or pool is the WASATCH-MESA VERDE Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

Duration:
This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

General:
Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

Conditions of Approval:
State approval of this well does not supercede the required federal approval, which must be obtained prior to drilling.

Notification Requirements:
The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

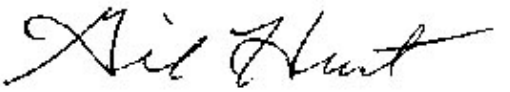
- Within 24 hours following the spudding of the well – contact Carol Daniels at 801-538-5284 (please leave a voicemail message if not available)
  OR
  submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website at https://oilgas.ogm.utah.gov

Reporting Requirements:
All reports, forms and submittals as required by the Utah Oil and Gas Conservation General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) – due within 5 days of spudding the well
- Monthly Status Report (Form 9) – due by 5th day of the following calendar month

- Requests to Change Plans (Form 9) – due prior to implementation
- Written Notice of Emergency Changes (Form 9) – due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) – due prior to implementation
- Report of Water Encountered (Form 7) – due within 30 days after completion
- Well Completion Report (Form 8) – due within 30 days after completion or plugging

Approved By:



Gil Hunt
Associate Director, Oil & Gas

Questar E & P

Operations Summary Report - prep well for Drilling

Well Name: RWU 14-24A (39)
Location: 24- 7-S 22-E 26
Rig Name: POOL
API #43047-~~31662~~ 15166

Spud Date: 2/3/2010
Rig Release: 7/31/2003
Rig Number:

Date	From - To	Hours	Code	Sub Code	Description of Operations
11/12/2009	06:00 - 18:00	12.00	LOC	4	This is to prepare well for drilling rig. On 11/11/09 Road rig 4 miles to location. MIRU Basin Well Service #3, spot rig equipment. Check pressure, SICP = 400# & SITP = 450#. Open well up to rig tank. Flow back 80 bbls of oil. RU hot oiler & pump 115 bbls production water down csg @ 220 degrees. Circulate additional 30 bbls oil out. Flushed tbg w/ 40 bbls production water @ 190 degree's. Flow back additional 90 bbls of oil & gas cut water. Flow well until dark. SDFN. Recovered 355 bbls total flowback. 24 Hour Forecast: Will blow well down. POOH w/ tbg & make bit & scraper run. Csg Size: 7", 23# Csg Depth: 5990'
11/13/2009	06:00 - 18:00	12.00	TRP	5	This is to prepare well for drilling rig. On 11/12/09 SICP = 100 psi, SITP = 120 psi. Blow well down to 0 psi. Recovered 10 bbls water f/ tbg flowback. ND WH & strip on BOP's. RU tbg equipment. POOH w/ 40 jts 2-7/8" tbg & start flowing oil up csg. With tbg tail @ 3785' circulate 125 bbls production water down tbg, rec 60 bbls oil. POOH w/ 80 jts tbg. Start flowing up csg. With tbg tail @ 1310' circulate 50 bbls production water down tbg, rec 5 bbls oil. Finish POOH w/ 42 jts 2-7/8" tbg. MU & RIH w/ 6-1/4" bit, 7" csg scraper & 168 jts 2-7/8" tbg. End of scraper @ 5222'. SDFN. 24 Hour Forecast: Will circulate oil out. POOH w/ scraper, RIH w/ pkr & pump cement. Csg Size: 7", 23# Csg Depth: 5990' LLTR: 0 bbls
11/16/2009	06:00 - 18:00	12.00	TRP	5	This is to prepare well for drilling rig. On 11/13/09 SICP = 0#, SITP = 0#. Hot oiler circulated 140 bbls production water down tbg. POOH w/ 168 jts tbg, 7" csg scraper & 6-1/4" bit. RIH w/ 32A tension pkr & 160 jts 2-7/8" tbg. Set pkr @ 4968'. Test csg to 500#, good test. Release pkr, RIH w/ 6 jts & reset pkr @ 5160' to squeeze perfs @ 5620-24' & 5864-71'. RU Halliburton Services, attempt to get injection rate, max out on pressure @ 1650 psi & 3 BPM. Release pkr @ 5160' pulled up & reset @ 4534'. Establish injection rate of 1-1/2 BPM w/ 400 psi. Pumped 75 sxs of Class "G" cement & displaced w/ 35 bbls 2% KCL. After 15 minutes shut in, Stage 3 1/2 bbls cement w/ max pressure of 450 psi @ .8 BPM. After 30 minutes shut in, stage additional 3-1/2 bbls w/ max pressure of 750 psi @ .7 BPM. SWI w/ 500 psi on tbg & pkr still set @ 4534'. RD Halliburton, drain up lines. 24 Hour Forecast: Will POOH w/ pkr. RIH w/ bit & drill up squeeze. Csg Size: 7", 23# Csg Depth: 5990' LLTR: 0 bbls
11/17/2009	06:00 - 18:00	12.00	SEQ	1	This is to prepare well for drilling rig. On 11/16/09 SITP & SICP = 0# w/ pkr set @ 4534'. Test squeeze to 500# with tbg standing full & held OK. Release pkr @ 4534' & POOH w/ pkr to 1194' & pkr pulling 20M# over string weight. RU hot oiler& circ 75 bbls of hot water. Finish

Operations Summary Report

Well Name: RWU 14-24A (39)
Location: 24- 7-S 22-E 26
Rig Name: POOL

Spud Date: 2/3/2010
Rig Release: 7/31/2003
Rig Number:

Date	From - To	Hours	Code	Sub Code	Description of Operations
11/17/2009	06:00 - 18:00	12.00	SEQ	1	POOH w/ tbg & pkr. RIH w/ 6-1/4" drag bit & tbg & tag cmt top @ 4886'. RU power swivel & circulating equipment. Drill out hard cement f/ 4886' to 4910'. Circ hole clean. Pull bit to 4650' & SIFN. On AM of 11/17/09 SITP & SICP = 0# w/ hole standing full. 24 Hour Forecast: Will continue to drill out squeeze. Csg Size: 7", 23# Csg Depth: 5990' LLTR: 0 bbls Previously Perforated Intervals: 5076' - 5082'; 5084' - 5091' 5095' - 5103'; 5620' - 5624' 5864' - 5871' Previously Squeezed: 5117' - 5129' (sqzd) 5136' - 5140' (sqzd) Currently Squeezed Perfs: On 11/13/09 - 5620' - 5624'; 5864' - 5871'
11/18/2009	06:00 - 18:00	12.00	DRL	4	This is to prepare well for drilling rig. On 11/17/09 w/ the bit @ 4650'. SITP & SICP = 0# w/ the hole standing full. Continue to drill out hard cement f/ 4910' to 5114' (204') which is 11' below the bottom perf that was squeezed. Circ hole clean & pull the bit to 4837' & SIFN. On 11/18/09 AM SITP & SICP = 0# with the hole standing full. Pressure test squeeze & csg to 500# & held OK. 24 Hour Forecast: Will continue to drill out cement & check PBTD. Csg Size: 7", 23# Csg Depth: 5990' LLTR: 0 bbls Previously Perforated Intervals: 5076' - 5082'; 5084' - 5091' 5095' - 5103'; 5620' - 5624' 5864' - 5871' TOC @ 3750' Previously Squeezed: 5117' - 5129' (sqzd) 5136' - 5140' (sqzd) Currently Squeezed Perfs: On 11/13/09 - 5620' - 5624'; 5864' - 5871'

Operations Summary Report

Well Name: RWU 14-24A (39)
Location: 24- 7-S 22-E 26
Rig Name: POOL

Spud Date: 2/3/2010
Rig Release: 7/31/2003
Rig Number:

Date	From - To	Hours	Code	Sub Code	Description of Operations
11/19/2009	06:00 - 16:00	10.00	DRL	4	This is to prepare well for drilling rig. On 11/18/09 SITP & SICP = 0# w/ hole standing full. Pressure test squeezes & csg to 500# & held OK. Continue to drill out cement f/ 5114' to 5144' (hard) & cement got ratty f/ 5144' to 5154' & fell out of cement. Circ hole clean. Continue in the hole w/ bit & tbg & tag PBTD @ 5891'. Test csg to 500# & lost 100# in 2 minutes. POOH w/ bit & tbg. RIH open ended to 5886' - OK & pull tbg tail to 5568' to drop fluid level to prevent freeze up in BOP's. 24 Hour Forecast: Will perform a puddle squeeze on bottom of hole. Csg Size: 7", 23# Csg Depth: 5990' LLTR: 0 bbls Previously Perforated Intervals: 5076' - 5082'; 5084' - 5091' 5095' - 5103'; 5620' - 5624' 5864' - 5871' TOC @ 3750' Previously Squeezed: 5117' - 5129' (sqzd) 5136' - 5140' (sqzd) Currently Squeezed Perfs: On 11/13/09 - 5620' - 5624'; 5864' - 5871'
11/20/2009	06:00 - 16:00	10.00	CMT	3	This is to prepare well for drilling rig. On 11/19/09 SITP & SICP = 0#. RIH w/ tbg tail to 5886'. MIRU Superior cement crew & spot 60 sxs of "G" cement to end of tbg & displace w/ 32 bbls of water. Pull tbg tail to 5534' & reverse out tbg w/ no cement to surface. RDMO Superior. Pressure well to 500# to attempt to squeeze perfs 5620-24' & 5864-71'. Re-pressure well for 2-1/2 hours w/ a total of 1/2 bbl of water until it held 500#. Bled off w/ no flowback. POOH w/ tbg. RIH w/ 6-1/4" drag bit & tbg to 5536' & SIFN. On 11/20/09 SITP & SICP =0# w/ hole standing full. Tag cement top @ 5613'. 24 Hour Forecast: Start to drill hard cement. Will drill out cement today. Csg Size: 7", 23# Csg Depth: 5990' LLTR: 0 bbls Previously Perforated Intervals: 5076' - 5082'; 5084' - 5091' 5095' - 5103'; 5620' - 5624' 5864' - 5871' TOC @ 3750' Previously Squeezed: CONFIDENTIAL

Operations Summary Report

Well Name: RWU 14-24A (39)
Location: 24- 7-S 22-E 26
Rig Name: POOL

Spud Date: 2/3/2010
Rig Release: 7/31/2003
Rig Number:

Date	From - To	Hours	Code	Sub Code	Description of Operations
11/20/2009	06:00 - 16:00	10.00	CMT	3	5117' - 5129' (sqzd) 5136' - 5140' (sqzd) Currently Squeezed Perfs: On 11/13/09 - 5620' - 5624'; 5864' - 5871' **On 11/19/09 all perfs should now be equeezed in the well.
11/23/2009	06:00 - 16:00	10.00	DRL	4	This is to prepare well for drilling rig. On 11/20/09 SITP & SICP = 0#. Continue to drill out cement f/ tag @ 5613' w/ hole standing full & drill out hard cement to 5760' (147'). Circ hole clean. Pull bit to 5377' & SWIFW. 24 Hour Forecast: Will continue to drill out cement. Hole stood full the entire day. Csg Size: 7", 23# Csg Depth: 5990' LLTR: 0 bbls Previously Perforated Intervals: 5076' - 5082'; 5084' - 5091' 5095' - 5103'; 5620' - 5624' 5864' - 5871' TOC @ 3750' Previously Squeezed: 5117' - 5129' (sqzd) 5136' - 5140' (sqzd) Currently Squeezed Perfs: On 11/13/09 - 5620' - 5624'; 5864' - 5871' **On 11/19/09 all perfs should now be equeezed in the well.
11/24/2009	06:00 - 16:00	10.00	DRL	4	This is to prepare well for drilling rig. On 11/23/09 SITP & SICP = 0# w/ hole standing full of water. Continue to drill out hard cement f/ 5760' to 5792' & test csg to 500# & held OK. Continue to drill out hard cement f/ 5792' to new PBTD of 5881' (10' below perf & 10' above PBTD). Test to 500# & had 0# loss in 2 minutes. Rack out power swivel & pull bit to 5024' & SIFN. 24 Hour Forecast: Will lay down work string & bit & ND BOP's & NU WH for preparation for drilling rig. NOTE: ALL PERFS IN THIS WELL ARE NOW SQUEEZED & TESTED TO 500# WITH OUT BLEED OFF. Csg Size: 7", 23# Csg Depth: 5990'

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Operations Summary Report

Well Name: RWU 14-24A (39)
Location: 24- 7-S 22-E 26
Rig Name: POOL

Spud Date: 2/3/2010
Rig Release: 7/31/2003
Rig Number:

Date	From - To	Hours	Code	Sub Code	Description of Operations
11/24/2009	06:00 - 16:00	10.00	DRL	4	LLTR: 0 bbls Previously Perforated Intervals: 5076' - 5082'; 5084' - 5091' 5095' - 5103'; 5620' - 5624' 5864' - 5871' TOC @ 3750' Previously Squeezed: 5117' - 5129' (sqzd) 5136' - 5140' (sqzd) Currently Squeezed Perfs: On 11/13/09 - 5620' - 5624'; 5864' - 5871' **On 11/19/09 all perfs should now be equeezed in the well.
11/25/2009	06:00 - 16:00	10.00	BOP	1	This is to prepare well for drilling rig. On 11/24/09 SITP & SICP = 0#. Finish POOH & laying down 2-7/8" workstring & 6-1/4" drag bit. ND BOP's & NU WH. Rig down Basin Well Service. Well is prepared for the drilling rig. FINAL REPORT OF WORK. NOTE: ALL PERFS IN THIS WELL ARE NOW SQUEEZED & TESTED TO 500# WITH OUT BLEED OFF. Csg Size: 7", 23# Csg Depth: 5990' Previously Perforated Intervals: 5076' - 5082'; 5084' - 5091' 5095' - 5103'; 5620' - 5624' 5864' - 5871' TOC @ 3750' Previously Squeezed: 5117' - 5129' (sqzd) 5136' - 5140' (sqzd) Currently Squeezed Perfs: On 11/13/09 - 5620' - 5624'; 5864' - 5871' **On 11/19/09 all perfs should now be equeezed in the well.
1/12/2010	06:00 - 16:00	10.00	BOP	1	This is to prepare well for drilling rig. Resumption of report dicontinued on 11/25/09. On 1/11/10 - MIRU Basin Well Service to test surface heads & csg for integrity. SICP = 0#. ND WH bonnet & NU BOP's. Tally & rabbit in the hole w/ a Weatherford RBP & 2-7/8" tbg & set plug @ 3816'. Pressure tst csg head & 7" csg & BOP's to 3000# & held OK w/ no bleed-off. Bled off pressure & release RBP @ 3816' & pull plug & tbg to 3121' & SIFN.

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Operations Summary Report

Well Name: RWU 14-24A (39)
Location: 24- 7-S 22-E 26
Rig Name: POOL

Spud Date: 2/3/2010
Rig Release: 7/31/2003
Rig Number:

Date	From - To	Hours	Code	Sub Code	Description of Operations
1/12/2010	06:00 - 16:00	10.00	BOP	1	24 Hour Forecast: Will finish POOH & laying down tbg & plug & ND BOP's & replace bonnet on top of csg head & RDMO Basin Well Service. Csg Size: 7", 23# Csg Depth: 5990' Previously Perforated Intervals: 5076' - 5082'; 5084' - 5091' 5095' - 5103'; 5620' - 5624' 5864' - 5871' TOC @ 3750' Previously Squeezed: 5117' - 5129' (sqzd) 5136' - 5140' (sqzd) Currently Squeezed Perfs: On 11/13/09 - 5620' - 5624'; 5864' - 5871' **On 11/19/09 all perfs should now be equeezed in the well.
1/13/2010	06:00 - 16:00	10.00	BOP	1	This is to prepare well for drilling rig. On 1/12/10 - SITP & SICP = 0#. Finish POOH & laying down 2-7/8" work string & RBP. ND BOP's. NU bonnet on top of csg head & RDMO Basin WS. Final report of csg head & csg test. Report discontinued. Csg Size: 7", 23# Csg Depth: 5990' Previously Perforated Intervals: 5076' - 5082'; 5084' - 5091' 5095' - 5103'; 5620' - 5624' 5864' - 5871' TOC @ 3750' Previously Squeezed: 5117' - 5129' (sqzd) 5136' - 5140' (sqzd) Currently Squeezed Perfs: On 11/13/09 - 5620' - 5624'; 5864' - 5871' ***On 11/19/09 all perfs should now be equeezed in the well.

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Operations Summary Report - DRILLING

Well Name: RWU 14-24A (39)
Location: 24- 7-S 22-E 26
Rig Name: AZTEC

API # 43 047 15166 ~~31689~~

Spud Date: 2/3/2010
Rig Release: 2/17/2010
Rig Number: 777

Date	From - To	Hours	Code	Sub Code	Description of Operations
2/3/2010	06:00 - 06:00	24.00	LOC	4	RIG DOWN MOVE TO NEW LOCATION AND RIG UP 100% HAULED AND 95% RIGGED UP WORKING ON TOP DRIVE
	06:00 -				NOTIFIED DONNA KENNY WITH THE BLM AND BRAD HOLTZ WITH THE STATE IN REGAURDS TO TESTING BOP @08:00 AM ON 2/2/2010
2/4/2010	06:00 - 12:00	6.00	LOC	4	RIG UP AND WORK ON TOP DRIVE RIG ON BOOK @ 12:00 HRS
	12:00 - 23:00	11.00	BOP	1	NIPPLE UP BOP
	23:00 - 03:00	4.00	BOP	2	TEST B.O.P'S (BLIND , PIPE RAMS, ALL CHOKE VALVES, ALL KILL LINE VALVES AND ALL FLOOR SAFETY VALVES TO 250 LOW & 3000 PSI HIGH ANNULAR TO 250 LOW AND 2500 PSI HIGH
	03:00 - 05:00	2.00	TRP	1	LAY OUT AND STRAP B.H.A. #1 & RIG UP LAY DOWN MACHINE (PRE JOB SAFETY MEETING)
	05:00 - 06:00	1.00	TRP	18	PICK UP BHA
2/5/2010	06:00 - 10:00	4.00	TRP	2	PICK UP BHA AND DRILL PIPE
	10:00 - 10:30	0.50	RIG	2	WORK ON HYDOMATIC BRAKE
	10:30 - 11:00	0.50	RIG	1	RIG SERVICE
	11:00 - 15:00	4.00	TRP	2	PICK UP DRILL PIEPE TO 5864'
	15:00 - 15:30	0.50	TRP	2	RIG DOWN LAY DOWN TRUCK
	15:30 - 16:30	1.00	RIG	2	WORK ON SWIVLE PACKING
	16:30 - 17:00	0.50	CIRC	1	BREAK CIRCULATION AND WAS DOWN TO 5880' TAGGED UP
	17:00 - 22:30	5.50	DRL	4	CRILL CEMENT AND FLOAT EQUIPMENT F/5880 T/ FLOAT COLLAR @ 5896 FEET SHOE @ 6000 FEET
	22:30 - 04:00	5.50	REAM	1	WASH AND REAM FROM 6000 FEET TO 6262 FEET
	04:00 -		DRL	1	DRILL FROM 6262 FEET TO 6265
2/6/2010	06:00 - 06:30	0.50	TRP	10	TRIP OUT OF HOLE TO CASING SHOE, 5960'
	06:30 - 07:30	1.00	EQT	2	FIT TEST TO 315 PSI, 9.5 EMW. PUMP TRIP SLUG AND BLOW TOP DRIVE OUT.
	07:30 - 11:30	4.00	TRP	10	TRIP OUT OF HOLE FOR MOTOR AND BIT #1
	11:30 - 12:30	1.00	TRP	1	LAY DOWN MILL,BIT SUB AND JUNK SUB. PICK UP MOTOR,MONEL AND BIT #1
	12:30 - 16:00	3.50	TRP	10	TRIP IN HOLE WITH BIT #1
	16:00 - 16:30	0.50	REAM	1	WASH 55' TO BOTTOM, NO FILL
	16:30 - 00:30	8.00	DRL	1	DRILLING F/6265 T/ 6873
	00:30 - 01:30	1.00	SUR	1	WIRE LINE SURVEY @ 6780 FT = 3.0 DEGREES AZMOTH= 87.1
	01:30 - 06:00	4.50	DRL	1	DRILL FROM 6873 FEET TO 7162
2/7/2010	06:00 - 11:30	5.50	DRL	1	DRILLING F/7162 T/7445 283' 51.5'/HR WOB 15/18 RPM 130 GPM 247
	11:30 - 12:30	1.00	RIG	1	RIG SERVICE
	12:30 - 13:30	1.00	SUR	1	SURVEY @ 7353'***2.5 DEG***87.4 AZ
	13:30 - 06:00	16.50	DRL	1	DRILLING F/7445 T/ 8215 FEET
2/8/2010	06:00 - 10:30	4.50	DRL	1	DRILLING F/8215 T/8528 313' 69.5'/HR WOB 18/20 RPM 135 GPM 265
	10:30 - 11:00	0.50	RIG	1	RIG SERVICE
	11:00 - 12:00	1.00	SUR	1	SURVEY @ 8435'***2.0 DEG***120.5 AZ
	12:00 - 06:00	18.00	DRL	1	DRILLING F/8528 T/9263 735' 40.8'/HR
2/9/2010	06:00 - 18:00	12.00	DRL	1	DRILLING F/9263 T/ 9920 FEET
	18:00 - 06:00	12.00	DRL	1	CONT TO DRILL FROM 9920 FEET TO 10,475 FEET 1212" 50.5'/HR WOB 15/18 RPM 135 GPM 255
2/10/2010	06:00 - 14:00	8.00	DRL	1	DRILLING F/10475 T/10741 266' 33.3 WOB 15/18 RPM 135 GPM 255
	14:00 - 15:30	1.50	CIRC	1	CIRCULATE BOTTOMS UP

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Operations Summary Report

Well Name: RWU 14-24A (39)
Location: 24- 7-S 22-E 26
Rig Name: AZTEC

Spud Date: 2/3/2010
Rig Release: 2/17/2010
Rig Number: 777

Date	From - To	Hours	Code	Sub Code	Description of Operations
2/10/2010	15:30 - 01:30	10.00	TRP	10	DROP SURVEY AND TRIP OUT OF HOLE (S.L.M. = 10758.95 BOARD= 10758.13 NO CORRECTION)
	01:30 - 02:00	0.50	TRP	1	DOWN BIT & MOTOR PICK UP NEW BIT & MOTOR
	02:00 - 06:00	4.00	TRP	2	TRIP IN THE HOLE WITH BIT #3
2/11/2010	06:00 - 07:30	1.50	RIG	6	CUT DRILLING LINE
	07:30 - 08:30	1.00	OTH		FILL DRILL PIPE AND CHANGE OUT SAVER SUB
	08:30 - 12:00	3.50	TRP	10	TRIP IN HOLE TO 10611
	12:00 - 12:30	0.50	REAM	1	SAFETY REAM 130' TO BOTTOM, NO FILL
	12:30 - 06:00	17.50	DRL	1	ESTABLISH FLOW RATES AND DRILL FROM 10741 TO 11117 376' ROP 21.48'/HR WOB 14/15 GPM 275
2/12/2010	06:00 - 06:00	24.00	DRL	1	DRILL FROM 11117 TO 11560
2/13/2010	06:00 - 09:00	3.00	DRL	1	DRILL FROM 11560 TO 11596 36' ROP 12'/HR WOB 15 GPM 255
	09:00 - 11:00	2.00	CIRC	1	CIRCULATE AND SHAKE OUT OLD LCM, C/O SHAKER SCREENS
	11:00 - 16:00	5.00	DRL	1	DRILL FROM 11596 TO 11637 41' ROP 8.2'/HR WOB 15/18 GPM 255/275
	16:00 - 17:30	1.50	CIRC	1	BUILD AND PUMP 50 BBL ECD PILL, 65 BL SPACER AND PUMP TRIP SLUG
	17:30 - 18:00	0.50	SUR	1	DROP SURVEY
	18:00 - 01:30	7.50	TRP	10	TOOH FOR BIT #4, TIGHT AT 10458
	01:30 - 03:00	1.50	TRP	1	RETRIEVE SURVEY TOOL AND CHANGE OUT BIT AND MOTOR
	03:00 - 06:00	3.00	TRP	2	TRIP IN THE HOLE
2/14/2010	06:00 - 07:30	1.50	TRP	2	TIH TO SHOE
	07:30 - 08:00	0.50	CIRC	1	CIRCULATE BOTTOMS UP
	08:00 - 11:00	3.00	TRP	2	TIH TO 10092
	11:00 - 12:00	1.00	CIRC	1	CIRCULATE OUT ECD PILL
	12:00 - 12:30	0.50	TRP	2	TIH TO 10900
	12:30 - 15:30	3.00	FISH	6	WORK STUCK PIPE
	15:30 - 18:00	2.50	REAM	1	WASH AND REAM 737' TO BOTTOM, 15' OF FILL
	18:00 - 00:30	6.50	DRL	1	DRILL FROM 11637 TO 11826 (TD)
	00:30 - 02:00	1.50	CIRC	1	CIRCULATE HIGH VIS SWEEP AND PUMP TRIP SLUG
	02:00 - 06:00	4.00	TRP	14	SHORT TRIP TO 9200 (ABOVE TOP SEEPAGE ZONE) BACK REAM FROM 11747 TO 11740 PULLED 30K OVER AT 10472
2/15/2010	06:00 - 07:00	1.00	REAM	1	SAFETY WASH AND REAM 140' BACK TO BOTTOM NO TIGHT HOLE NO FILL
	07:00 - 11:00	4.00	CIRC	1	CIRCULATE BTTMS UP, 6' FLARE, 3666 MAX GAS UNITS, PUMP VIS SWEEP, MIX AND SPOT ECD PILL, PUMP TRIP SLUG
	11:00 - 18:30	7.50	TRP	2	TRIP OUT OF THE HOLE FOR LOGS
	18:30 - 20:30	2.00	LOG	1	RIG UP HALIBURTON LOGGING TRUCK , HOLD SAFETY MEETING
	20:30 - 01:30	5.00	LOG	1	RUN IN THE HOLE WITH QUAD LOG AND LOG FROM 11816 TO 4500 TAGGED TIGHT SPOTS AT 9100+/- AND 11110+/-, LARGEST OD ON LOGGING TOOLS = 5.25"
	01:30 - 02:30	1.00	LOG	1	RIG DOWN LOGGERS
	02:30 - 06:00	3.50	TRP	2	TRIP IN THE HOLE
2/16/2010	06:00 - 06:30	0.50	TRP	2	TRIP IN THE HOLE TO SHOE
	06:30 - 07:30	1.00	CIRC	1	CIRCULATE OUT ECD PILL AND LOWER MUD WEIGHTS BACK TO 10.5
	07:30 - 10:30	3.00	TRP	2	TRIP IN THE HOLE TO 10000'
	10:30 - 12:00	1.50	CIRC	1	CIRCULATE OUT ECD PILL
	12:00 - 13:00	1.00	TRP	2	TRIP IN THE HOLE TO 11716'
	13:00 - 13:30	0.50	REAM	1	WASH AND REAM FROM 11716 TO 11826, 10' OF FILL
	13:30 - 15:30	2.00	CIRC	1	CONDITION MUD AND CIRCULATE, SPOT ECD PILL AND PUMP TRIP SLUG HELD SAFETY MEETING AND RIG UP LAYDOWN CREW
	15:30 - 02:30	11.00	TRP	3	LAY DOWN DRILL PIPE

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Operations Summary Report

Well Name: RWU 14-24A (39)
Location: 24- 7-S 22-E 26
Rig Name: AZTEC

Spud Date: 2/3/2010
Rig Release: 2/17/2010
Rig Number: 777

Date	From - To	Hours	Code	Sub Code	Description of Operations
2/16/2010	02:30 - 04:30	2.00	CSG	1	HELD SAFETY MEETING AND RIG UP CASING CREW
	04:30 - 06:00	1.50	CSG	2	RUN 4.5, 13.5#, N-80 CASING
2/17/2010	06:00 - 08:30	2.50	CSG	2	RUN 4.5", 13.5#, N-80 CASING
	08:30 - 10:30	2.00	CSG	2	CHANGE OUT BAILS AND ELEVATORS, CIRCULATE OUT TRIP SLUG
	10:30 - 13:30	3.00	CSG	2	RUN A TOTAL OF 306 CASING JOINTS AND 6 MARKER JOINTS OF 4.5", N-80, 13.5#
	13:30 - 14:00	0.50	REAM	1	WASH DOWN 80' TO BOTTOM, CASING LANDED AT 11826'
	14:00 - 17:30	3.50	CIRC	1	LOST TOTAL RETURNS AFTER 20 MINUTES OF CIRCULATING, MIX LCM AND RECIPROCATE PIPE, RECOVER FULL RETURNS AND CIRCULATE OUT ECD PILL
	17:30 - 18:00	0.50	CMT	1	HELD SAFETY MEETING AND RIG UP HALLIBURTON CEMENTERS
	18:00 - 20:00	2.00	CMT	2	CEMENT: TEST LINES TO 6000 PSI, PUMP 10 BBLS OF WATER AHEAD, 20 BBLS OF MUD FLUSH 99.1 BBLS OF LEAD CEMENT @ 11.0 PPG, 167 BBLS OF TAIL CEMENT @ 13.5 PPG, 175 BBLS OF WATER DISPLACEMENT, BUMPED PLUG AND FLOATS HELD, NO CEMENT RETURNED TO SURFACE, STRING WT AT END OF CEMENT JOB WAS 115,000
	20:00 - 20:30	0.50	CMT	1	RIG DOWN HALLIBURTON
	20:30 - 22:30	2.00	BOP	1	NIPPLE DOWN BOP TO SET SLIPS
	22:30 - 23:30	1.00	CSG	7	SET SLIPS AND CUT OFF CASING, SLIPS SET WITH 10 K OVER STRING WT @ 125,000
	23:30 - 04:00	4.50	LOC	7	DRAIN MUD SYSTEM AND MUD PUMPS, CLEAN ON MUD TANKS
	04:00 - 06:00	2.00	LOC	4	RIG DOWN AND PRPARE FOR MOVE

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Questar E & P

Operations Summary Report – completion of DEEPENING

Well Name: RWU 14-24A (39)
Location: 24- 7-S 22-E 26
Rig Name: POOL
API # 43-047-15166

Spud Date: 2/3/2010
Rig Release: 7/31/2003
Rig Number:

Date	From - To	Hours	Code	Sub Code	Description of Operations
3/8/2010	06:00 - 16:00	10.00	BOP	1	COSTS ARE FOR COMPLETION OF THE WELL ONLY W/ REPORT STARTING 3/5/10. TIGHT HOLE - COMPLETION OF WELL DUE TO DEEPENING On 3/4/10 MIRU Basin Well Service to start completion of well. NDWH & NU BOP's. Spot related equipment for completion. SDFN. On 3/5/10 - Tally & rabbit in the hole w/ 340 jts of new 2-3/8" EUE 8rd 4.7# L-80 tbg w/ 3-3/4" bit & 4-1/2" scraper to 10785'. Circ hole clean w/ 2% KCL water @ 6385' & 10785'. Pull bit to 10500' & SIFN. On 3/6/10 will continue to RIH w/ tbg to PBTD & circ clean & POOH w/ bit & scraper. On 3/6/10 SITP & SICP = 0# - no perfs yet. Continue to tally & rabbit in the hole w/ new tbg & bit & scraper & tag PBTD @ 11769'. Circ clean w/ 2% KCL water. POOH w/ bit & scraper & tbg & SIFWE. 24 Hour Forecast: Will bond log & NU frac head & pressure test. Csg Size: 4-1/2" 13.5# Csg Depth:
3/9/2010	06:00 - 16:00	10.00	LOG	4	COSTS ARE FOR COMPLETION OF THE WELL ONLY W/ REPORT STARTING 3/5/10. TIGHT HOLE - COMPLETION OF WELL DUE TO DEEPENING On 3/8/10 SICP = 0# w/ no perfs. MIRU Lone Wolf Wireline. Run a CBL/VDL/GR log f/ tag @ 11755' to 4050' w/ TOC est. @ 5000'. Correlated log to the Halliburton Density log dated 2/14/10. RDMO Lone Wolf WL. Pressure test csg & frac head assembly to 7200# & held OK & pressure test flowback assembly to 4500# & held OK. SIFN. 24 Hour Forecast: Will perforate initial zone & RIH w/ pkr & tbg to prepare for an acid job on 3/10/10. Csg Size: 4-1/2" 13.5# Csg Depth: 11826'
3/10/2010	06:00 - 16:00	10.00	PERF	2	COSTS ARE FOR COMPLETION OF THE WELL ONLY W/ REPORT STARTING 3/5/10. TIGHT HOLE - COMPLETION OF WELL DUE TO DEEPENING On 3/9/10 SICP = 0# w/ no perfs in well. MIRU Lone Wolf Wireline & perforate the following Mesa Verde intervals per the CBL log dated 3/8/10 @ 3 JPF & 180* phasing using a 3-1/8" csg gun: 11060-68' & 11522-30' (48 holes). Hole was full prior to after perforating with no change in well. RDMO Lone Wolf WL. RIH w/ ret pkr & tbg & set pkr @ 10990'. SIFN. 24 Hour Forecast: Will acidize the above perfs & swab test. Csg Size: 4-1/2" 13.5# Csg Depth: 11826' CONFIDENTIAL

Operations Summary Report

Well Name: RWU 14-24A (39)
Location: 24- 7-S 22-E 26
Rig Name: POOL

Spud Date: 2/3/2010
Rig Release: 7/31/2003
Rig Number:

Date	From - To	Hours	Code	Sub Code	Description of Operations
3/10/2010	06:00 - 16:00	10.00	PERF	2	Perfs: Zone #1: MV = 11060-68' & 11522-30' (3/9/10)
3/11/2010	06:00 - 16:00	10.00	STIM	1	COSTS ARE FOR COMPLETION OF THE WELL ONLY W/ REPORT STARTING 3/5/10. TIGHT HOLE - COMPLETION OF WELL DUE TO DEEPENING On 3/10/10 - With pkr set @ 10990' & testing perfs 11060-68' & 11522-30' SITP = 100# & SICP = 0#. MIRU Halliburton & acidize the above interval as follows: Obtain break after pumping 3 bbls of water @ 4258#. Pump 200 gals of 15% HCL acid followed by 600 gals of 15% HCL acid w/ 72-7/8" Bio-balls & displace w/ 50 bbls of 2% KCL water. Total load of 80 bbls. Max psi = 6260#; avg psi = 5800#; avg rate = 5 BPM. Had a max of 80# of pressure inc. with all balls on perfs w/ a max of 40# break. ISIP = 3150#. RDMO Halliburton. After a 1/2 hour SI period to rig down lines SITP = 2800# & SICP = 0#. Flow the tbg on various chokes & a full 2" line for the next 13 hours & recovered an est 180 bbls of water w/ lite gas & acid gas. Volume is est @ 100 bbls over load. At midnight when the well was SI the FTP = 18# & no fluid. Left the well SI overnight with the following buildup: @ 3:00 AM - SITP = 400#; @ 5:00 AM - SITP = 700# & @ 6:00 AM - SITP = 740#. Open the tbg on a full 1" choke to try to unload any fluid in tbg or to allow tbg to die to swab prior to running BHP bombs. Csg Size: 4-1/2" 13.5# Csg Depth: 11826' LLTR: 100 bbls over
3/15/2010	06:00 - 16:00	10.00	LOG	4	Perfs: Zone #1: MV = 11060-68' & 11522-30' (3/9/10) COSTS ARE FOR COMPLETION OF THE WELL ONLY W/ REPORT STARTING 3/5/10. TIGHT HOLE - COMPLETION OF WELL DUE TO DEEPENING At 6:00 AM on 3/11/10 SITP = 740#. Open the tbg on a 1" choke & flowed back a mist of fluid but no slugs & bled down to 20# in less than 10 minutes. Open tbg on a full 2" line with no fluid flow & FTP = 10#. Continue to flow the tbg for 3 hours and MIRU PLS wireline & RIH w/ tandem electronic BHP bombs & set the bombs @ 11250' & continued to flow the tbg for an additional 2 hours. SI the tbg @ 12:30 PM on 3/11/10 & well will remain SI for the buildup until the time they are pulled on 3/15/10. Csg Size: 4-1/2" 13.5# Csg Depth: 11826' LLTR: 100 bbls over
3/16/2010	06:00 - 16:00	10.00	DEQ	2	Perfs: Zone #1: MV = 11060-68' & 11522-30' (3/9/10) COSTS ARE FOR COMPLETION OF THE WELL ONLY W/ REPORT STARTING 3/5/10. On 3/16/10 After SI the well at 12:30PM on 3/11/10 SITP=4316# and SICP=0# with

Operations Summary Report

Well Name: RWU 14-24A (39)
Location: 24- 7-S 22-E 26
Rig Name: POOL

Spud Date: 2/3/2010
Rig Release: 7/31/2003
Rig Number:

Date	From - To	Hours	Code	Sub Code	Description of Operations
3/16/2010	06:00 - 16:00	10.00	DEQ	2	packer set isolating perfs. MV 11060-68' and 11522-30'. POOH with tandem BHP bombs while stopping for gradient stops. RDMO PLS wireline. Bled off tbg.in 10 minutes on a 14/64" choke to a wide open 2" line. Release packer and RU swab. IFL at 3300'. Make a total of 12 swab runs and recovered a total of 60 bbl.of fluid with FFL at 6800'. The last hour make 2 swab runs and recovered 12 bbl.of heavy gas cut water with 10 minutes of flow in between with an initial fluid level of 5900'. Make 1 additional swab run immediately after with an initial FL at 6800' and recovered 4 bbl.of fluid. Final SICP=140#. SIFN. On 3/16/10 will obtain pressures and bleed tbg.down and make a swab run and POOH with packer and tbg.and prepare well for fracs on 3/17/10. Obtained a water sample today and will obtain an additional sample AM. Csg Size: 4-1/2" 13.5# Csg Depth: 11826' Perfs: Zone #1: MV = 11060-68' & 11522-30' (3/9/10)
3/17/2010	06:00 - 16:00	10.00	SWAB	1	Testing perfs.11060-68' and 11522-30'. On 3/16/10 SITP=1800# and SICP=500# with packer released at 10990'. Bled off well on a 12/64" choke in 45 minutes. RU swab. IFL at 6100'. Make 3 runs in the 1st hour and recovered 7.3 bbl.of heavy gas cut water in the hour. Make 3 additional runs in 1 hour and recovered 7.3 bbl.of heavy gas cut water with FFL at 6000' and holding on all three runs and swabbing from 7400'. Pump 20 bbl.of water down the tbg...POOH with packer and tbg.to 2000' and top kill with an additional 20 bbl.of 2% KCL water. Finish POOH with packer and tbg..SIFN. On 3/17/10 will proceed with frac work after setting a CIBP over perfs.11522-30' Casing size: 4-1/2" 13.5# Casing depth: 11826' Perfs: Zone #1: MV=11060-68' and 11522-30' (3/9/10)
3/18/2010	06:00 - 16:00	10.00	STIM	5	On 3/18/10 NOTE: On all of the below zones, all zones were perforated with a 3-1/8" csg.gun at 3 JPF and 120* phasing. All zones were frac'd with slick water and 30/50 Premium sand with Sand-Wedge. A 15% HCL acid was used on all breakdown. The perforations depths are per the CBL log dated 3/8/10 and were correlated to Halliburton OH Desnsity log dated 2/15/10. Sand stages were followed by 6000 gal.water stages. Zone #1: MV Interval 11606-68'. Zone broke at 5450# and frac with a 12000 gal.pad and stage 1/4# to 1 ppg sand in 10000 gal.of fluid and flush with a 5000 gal.spacer and 800 gal.of acid and 6134 gal.of water. Total sand in formation was 6300# and no additional sand was added due to probable screen out. Max.rate=50.1' ave.rate=42.8 BPM; Max.psi=7123#; Ave=6651#. ISIP=6781# (1.05). Total load of 1240 bbl. Zone was tagged Scandium. Wireline set a comp. frac plug at 11040' with Lone Wolf Wireline. Perforate the following MV zones: 10876-78'; 10921'-28' & 10955-62' (48 holes). Zone #2: MV interval 10876-78; 10921-28' and 10955-62'; Zone broke at 6200#. Frac with a 11400 gal.pad and stage 1/4# to 1.50 ppg sand in 4 stages and went to flush due to probable screen out. Used 4 spacer stages with the last one of 12000 gal.and flush with 800 gal.acid and 6171 gal.of water. Max.rate=55.5; Ave-43.1 BPM; Max.psi=7330#; Ave=5985#. Total of 45800# of sand in formation.

Operations Summary Report

Well Name: RWU 14-24A (39)
Location: 24- 7-S 22-E 26
Rig Name: POOL

Spud Date: 2/3/2010
Rig Release: 7/31/2003
Rig Number:

Date	From - To	Hours	Code	Sub Code	Description of Operations
3/18/2010	06:00 - 16:00	10.00	STIM	5	ISIP=3382# (.75). Lubricate in a 4-1/2" comp. frac plug and set at 10850'. Perforate MV Intervals 10758-64'; 10767-71' & 10786-92' (48 holes). Zone #3: MW interval 10758-64'; 10767-71' & 10786'-92'. Zone broke at 3200#. Frac with a 10000 gal.pad and stage 1/4# to 2 ppg sand in 7 stages with 6 spacer stages and flush with 400 gal.of acid and 2779 gal.of water and screened out after losing rate while pumping acid. Total of 87000# of sand in formation. Zone was tagged with Antimony. Max.rate=60.5; Ave=54 BPM: Max.psi=7300#; Ave=4896#. ISIP-4528# (.86). Total load of 2820 bbl..Run in hole with perforating gun only and tag sand at 10530'. Perforate MV interval 10161-10177' (48 holes). Attempt to break down and could not get back with a max.of 7200#. Attempted several times with no luck. RIH with another perforating gun and tag sand at 9870'. Open well to the pit at 7:00PM on a 48/64" choke with 1000#. Continue to flow the well overnight on various chokes bringing back sand and water. At 5:00AM on 3/18/10 FCP=1250# on a 24/64" choke with med.gas and water and no and at a rate of 70 bbl.per hour with an est.total of 1020 bbl.in the last 10 hours of flow. SI the well at 5:00 AM NOTE: Zone #2 had a load of 2300 bbl.and was tagged with iridium. On 3/18/10 will continue to attempt to frac additional zones and set kill plug. Casing size: 4-1/2" 13.5# Casing depth: 11826' Load from yesterday: 6260 Minus daily recovery: 1020 LLTR: 5240 Load includes csg volume. Perfs: Zone #1: MV=11060-68' and 11522-30' (3/9/10) Zone #2: MV=10876-78'; 10921-28' & 10955-62' Zone #3: MV=10758-64'; 10767-71' & 10786-92' Zone #4: 10161-10177'
3/22/2010	06:00 - 16:00	10.00	STIM	5	On 3/18/10 NOTE: On all of the below zones, all zones were perforated with a 3-1/8" csg.gun at 3 JPF and 120* phasing. All zones were frac'd with slick water and 30/50 Premium sand with Sand-Wedge. A 15% HCL acid was used on all breakdown. The perforations depths are per the CBL log dated 3/8/10 and were correlated to Halliburton OH Desnsity log dated 2/15/10. Sand stages were followed by 4000 gal.spacers At 5:00AM on 3/18/10 FCP #1250# on a 2464" choke with med gas and water and no sand at an est.rate of 70 bbl.per hour with an est.total recovery of 1020 bbl.in the last 10 hours. After a 2-1/2 hour SI period the well had a SICP=1650#. RU Lone Wolf Wireline and set a composite frac plug at 10300'. RU Halliburton and frac MV Interval 10161-77' as follows: using a slickwater system and 30/50 sand. Zone #4: MV Interval 10161-77'; Frac with a 14000 gal.pad and stage 1/4 to 2 ppg sand in 6 stages with 5-4000 gal.spacers and flush with 800 gal.of 15% HCL and 5190 ga.of water. Total of 73M# of 30/50 sand and a total load of 2620 bbl..Max.rate=60.4; Ave=59.6 PBM; Max.psi=6800#; Ave=4983#. ISIP=3085# (.74)' Zone was tagged wtih Scandium. Lubricate in a comp.frac plug and set at 9520'. Perforate MV Intervals 9471-79' and 9489-97'. Zone #5: MV Interval 9871-79' & 9789-97'; Frac with a 10000 gal.pad and stage 1/4 to 2 ppg 30/50 sand in 6 stages with 5-4000 gal.spacers.and flush with 6000 gal.of water. Total of 88500# of sand and a total load of 2575 bbl.Frac was tagged with

Operations Summary Report

Well Name: RWU 14-24A (39)
Location: 24- 7-S 22-E 26
Rig Name: POOL

Spud Date: 2/3/2010
Rig Release: 7/31/2003
Rig Number:

Date	From - To	Hours	Code	Sub Code	Description of Operations
3/22/2010	06:00 - 16:00	10.00	STIM	5	Iridium. Max.rate=60.2; Ave=59.9 BPM; Max.psi=8520#; AVe=4502#; ISIP=2321# (.68). RDMO Halliburton. Open the csg.after a 1 hour SI period with a SICP=2300#. Pen on 24/64" choke and flowed well from 2:30PM On 3/18/10 until 5:00AM on 3/19/10 on various chokes recovering water and gas and small amounts of sand At 5:00AM on 3/19/10 FCP=1200# on a 32/64" choke at an est.rate of 80 bbl.per hour with a total est.recovery in the last 14-1/2 hours of 1080 bbl..Est load LLR=9500 bl..On AM of 3/19/10 after a 2-1/2 hour SI period SICP=1500#. Lubricate in a 4-1/2" composite BP and set at 9400'. RDMO Lone Wolf Wireline. Bled off well and ND frac valve assembly and NU BOP's. Pressure test BOP's and flow-back manifold to 7200# and held OK. RIH with 3-3/4" Hurricane mill and tbg..Est.circ.with 35 bbl.of water and tag and drill out comp.BP at 9400' in 45 minutes. Took a max.psi kick of 450# on a full 2" line. Put csg.on a 32/64" choke with a FCP=1100# recovering gas and water and plug parts. Turn well over to flowtesters to the pit. NOTE: ALL WATER USED IN FRACS AND CLEAN OUT IS 2% KCL WATER. Flowed the well from 2:30 PM on 3/19/10 until 4:00 AM on 3/20/10 on various chokes and a FCP of 1700# on a 24/64" choke at 4:00AM on 3/20/10 and had to SI the well due to a problem with the pit underwashing the liner. Recovered est.1080 bbl.in the last 13-1/2 hours with an est.final rateo fo 60 bbl.per hour of water and high gas. At 7:00AM on 3/20/10 after a 3 hour SI period SICP=2300#. Bled off csg.to 700# and continue to flow the csg.on a 64/64" choke with FCP=700# recovering gas and water. Continue in the hole with mill andtbg.and tag comp.frac.plug at 9520' and est.circ.with 2% KCL water and drill up plug. Continue in the hole and tag comp.frac plug at 10300' and drill out plug. Hole continue to flow at 550-700# on a 64/64" choke up the csg..Continue in the hole and tag and rill up comp.frac plug at 10850'. Continue in the hole and tag frac plug at 11040' and drill up plug. Cont in the hole andtag PBTD at 11491'. Spot biocide and corrosion inhibitor on bottom of well. CIBP at 11500'. Pull mill to 9337' with 1.81" "F" nipple at 9303'. Land tbg.in hanger in WH andturn well over to productin department at 5:00PM on 3/20/10 to flow up the csg.over the week end. On 3/22/10 will ND BOP's and assoc.equipment and pump off bit sub assembly to allow well to flow up the tbg. TBG.DETAIL: (3/20/10): SHEAR SUB=0.91"; 1 JT.TBG=31.80'; 1.81" "F" NIPPLE=0.97'; 292 JTS.TBG.=9288.60'; HANGER=0.86'; KB=14'. TBG.TAIL AT 9337.14'; "F" NIPPLE @ 9303.45'. ALL TBG.IS NEW 2-3/8" EUE 8RD 4.7# L-80 Casing size: 4-1/2" 13.5# Casing depth: 11826' Load from yesterday:5240 Minus daily recovery: 1700 Plus water today: 5300 LLTR: 8240 Load includes csg.volume. Perfs: Zone #1: MV=11060-68' and 11522-30' (3/9/10) Zone #2: MV=10876-78'; 10921-28' & 10955-62' Zone #3: MV=10758-64'; 10767-71' & 10786-92' Zone #4: 10161-10177' MV Zone #5: MV=9471-79'; 9489-97'

Questar E & P

Operations Summary Report

Well Name: RWU 14-24A (39)
Location: 24- 7-S 22-E 26
Rig Name: POOL

Spud Date: 2/3/2010
Rig Release: 7/31/2003
Rig Number:

Date	From - To	Hours	Code	Sub Code	Description of Operations
3/23/2010	06:00 - 16:00	10.00	BOP	1	On 3/22/10 SITP=0# with float in the tbg.and FCP=1335# at a gas sales rate of 2.2 MCFD. ND BOP'S. NUWH. Hanger holding OK. Drp sher sub ball and shear off pump off bit sub assembly. Left csg.flowing. Turn well over to production department with SICP=2400# and FTP=2080# at a rate of 2.2 MMCFD via gas sales. Final report of well completion. Casing size: 4-1/2" 13.5# Casing depth: 11826' LLTR: 8240 Load includes csg.volume. Perfs: Zone #1: MV=11060-68' and 11522-30' (3/9/10) Zone #2: MV=10876-78'; 10921-28' & 10955-62' Zone #3: MV=10758-64'; 10767-71' & 10786-92' Zone #4: 10161-10177' MV Zone #5: MV=9471-79'; 9489-97'

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STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

AMENDED REPORT ☐ (highlight changes) FORM 8

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5. LEASE DESIGNATION AND SERIAL NUMBER: UTU 0561
6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A
7. UNIT or CA AGREEMENT NAME: REDWASH
8. WELL NAME and NUMBER: RW 14-24A
9. API NUMBER: 4304715166
10 FIELD AND POOL, OR WILDCAT: REDWASH

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☑ DRY ☐ OTHER
b. TYPE OF WORK: NEW WELL ☐ HORIZ. LATS. ☐ DEEP-EN ☑ RE-ENTRY ☐ DIFF. RESVR. ☐ OTHER
2. NAME OF OPERATOR: Questar Exploration & Production Co.
3. ADDRESS OF OPERATOR: 11002 E 17500 S Vernal UT 84078 PHONE NUMBER: (435) 781-4342
4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: 660' FSL, 710' FWL
AT TOP PRODUCING INTERVAL REPORTED BELOW: 660' FSL, 710' FWL
AT TOTAL DEPTH: 660' FSL, 710' FWL
11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SWSW 24 7S 22E
12. COUNTY: UINTAH 13. STATE: UTAH

14. DATE SPUDDED:
15. DATE T.D. REACHED: 2/15/2010
16. DATE COMPLETED: 3/19/2010 ABANDONED ☐ READY TO PRODUCE ☑
17. ELEVATIONS (DF, RKB, RT, GL): KB 5429
18. TOTAL DEPTH: MD 11,826 TVD
19. PLUG BACK T.D.: MD 11,491 TVD
20. IF MULTIPLE COMPLETIONS, HOW MANY? *
21. DEPTH BRIDGE PLUG SET: MD 11,500 TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)
Spectral Density DSN, Array Comp True Resistivity, & GR CBL

23.
WAS WELL CORED? NO ☑ YES ☐ (Submit analysis)
WAS DST RUN? NO ☑ YES ☐ (Submit report)
DIRECTIONAL SURVEY? NO ☑ YES ☐ (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
6.125	4.5 N80	13.5	0	11,826		720		SURFACE	

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2-3/8	9,337							

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)
(A) MESA VERDE	9,471	11,530		
(B)				
(C)				
(D)				

27. PERFORATION RECORD

INTERVAL (Top/Bot - MD)		SIZE	NO. HOLES	PERFORATION STATUS
11,060	11,068	3.125	24	Open ☑ Squeezed ☐
10,876	10,962	3.125	48	Open ☑ Squeezed ☐
10,758	10,792	3.125	48	Open ☑ Squeezed ☐
10,161	10,177	3.125	48	Open ☑ Squeezed ☐

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
11530- 9471	Acidize 800 gals per each of the 5 frac stages w/ 15% HCL - total of 4,000 gals of acid

29. ENCLOSED ATTACHMENTS:
☐ ELECTRICAL/MECHANICAL LOGS ☐ GEOLOGIC REPORT ☐ DST REPORT ☐ DIRECTIONAL SURVEY
☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION ☐ CORE ANALYSIS ☐ OTHER:

30. WELL STATUS:

RECEIVED
AUG 10 2010
DIV. OF OIL, GAS & MINING

(5/2000) (CONTINUED ON BACK)

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31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
3/19/2010	3/23/2010	24		32	2,225	317	prod gas

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:
15/64	2,230	2,820								

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:

CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

Sold

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

34. FORMATION (Log) MARKERS:

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
MESA VERDE	9,471	11,530			

35. ADDITIONAL REMARKS (Include plugging procedure)

#27 Cont. 9471' - 9497', Size - 3.125", 48 holes - Open.

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) Dahn Caldwell TITLE Office Administrator

SIGNATURE Dahn Caldwell DATE 6/9/2010

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

CONFIDENTIAL

(5/2000)

Division of Oil, Gas and Mining

OPERATOR CHANGE WORKSHEET (for state use only)

ROUTING
CDW

Change of Operator (Well Sold) — X - Operator Name Change

The operator of the well(s) listed below has changed, effective: **6/14/2010**

FROM: (Old Operator):	**TO:** (New Operator):
N5085-Questar Exploration and Production Company 1050 17th St, Suite 500 Denver, CO 80265 Phone: 1 (303) 308-3048	N3700-QEP Energy Company 1050 17th St, Suite 500 Denver, CO 80265 Phone: 1 (303) 308-3048

CA No. **Unit:** **RED WASH**

WELL NAME	SEC	TWN	RNG	API NO	ENTITY NO	LEASE TYPE	WELL TYPE	WELL STATUS
SEE ATTACHED								

OPERATOR CHANGES DOCUMENTATION

Enter date after each listed item is completed

1. (R649-8-10) Sundry or legal documentation was received from the **FORMER** operator on: 6/28/2010
2. (R649-8-10) Sundry or legal documentation was received from the **NEW** operator on: 6/28/2010
3. The new company was checked on the **Department of Commerce, Division of Corporations Database on:** 6/24/2010
4a. Is the new operator registered in the State of Utah: Business Number: 764611-0143
5a. (R649-9-2)Waste Management Plan has been received on: Requested
5b. Inspections of LA PA state/fee well sites complete on: n/a
5c. Reports current for Production/Disposition & Sundries on: ok
6. **Federal and Indian Lease Wells:** The BLM and or the BIA has approved the merger, name change, or operator change for all wells listed on Federal or Indian leases on: BLM 8/16/2010 BIA not yet
7. **Federal and Indian Units:**
   The BLM or BIA has approved the successor of unit operator for wells listed on: 8/16/2010
8. **Federal and Indian Communization Agreements ("CA"):**
   The BLM or BIA has approved the operator for all wells listed within a CA on: N/A
9. **Underground Injection Control ("UIC")** Division has approved UIC Form 5 Transfer of Authority to **Inject,** for the enhanced/secondary recovery unit/project for the water disposal well(s) listed on: 6/29/2010

DATA ENTRY:

1. Changes entered in the **Oil and Gas Database on:** 6/30/2010
2. Changes have been entered on the **Monthly Operator Change Spread Sheet on:** 6/30/2010
3. Bond information entered in RBDMS on: 6/30/2010
4. Fee/State wells attached to bond in RBDMS on: 6/30/2010
5. Injection Projects to new operator in RBDMS on: 6/30/2010
6. Receipt of Acceptance of Drilling Procedures for APD/New on: n/a

BOND VERIFICATION:

1. Federal well(s) covered by Bond Number: ESB000024
2. Indian well(s) covered by Bond Number: 965010693
3a. (R649-3-1) The **NEW** operator of any state/fee well(s) listed covered by Bond Number 965010695
3b. The **FORMER** operator has requested a release of liability from their bond on: n/a

LEASE INTEREST OWNER NOTIFICATION:

4. (R649-2-10) The **NEW** operator of the fee wells has been contacted and informed by a letter from the Division of their responsibility to notify all interest owners of this change on: n/a

COMMENTS:

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5. LEASE DESIGNATION AND SERIAL NUMBER: See attached	
6. IF INDIAN, ALLOTTEE OR TRIBE NAME: See attached	
7. UNIT or CA AGREEMENT NAME: See attached	
1 TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ OTHER	8. WELL NAME and NUMBER: See attached
2 NAME OF OPERATOR: Questar Exploration and Production Company N5085	9. API NUMBER: Attached
3. ADDRESS OF OPERATOR: 1050 17th Street, Suite 500 CITY Denver STATE CO ZIP 80265	PHONE NUMBER: (303) 672-6900
10. FIELD AND POOL, OR WILDCAT: See attached	

4. LOCATION OF WELL

FOOTAGES AT SURFACE: See attached

COUNTY: Attached

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:

STATE: UTAH

11 CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
☑ NOTICE OF INTENT (Submit in Duplicate)	☐ ACIDIZE	☐ DEEPEN	☐ REPERFORATE CURRENT FORMATION
Approximate date work will start: 6/14/2010	☐ ALTER CASING	☐ FRACTURE TREAT	☐ SIDETRACK TO REPAIR WELL
	☐ CASING REPAIR	☐ NEW CONSTRUCTION	☐ TEMPORARILY ABANDON
	☐ CHANGE TO PREVIOUS PLANS	☐ OPERATOR CHANGE	☐ TUBING REPAIR
	☐ CHANGE TUBING	☐ PLUG AND ABANDON	☐ VENT OR FLARE
☐ SUBSEQUENT REPORT (Submit Original Form Only)	☐ CHANGE WELL NAME	☐ PLUG BACK	☐ WATER DISPOSAL
Date of work completion:	☐ CHANGE WELL STATUS	☐ PRODUCTION (START/RESUME)	☐ WATER SHUT-OFF
	☐ COMMINGLE PRODUCING FORMATIONS	☐ RECLAMATION OF WELL SITE	☑ OTHER: Operator Name Change
	☐ CONVERT WELL TYPE	☐ RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Effective June 14, 2010 Questar Exploration and Production Company changed its name to QEP Energy Company. This name change involves only an internal corporate name change and no third party change of operator is involved. The same employees will continue to be responsible for operations of the properties described on the attached list. All operations will continue to be covered by bond numbers:
Federal Bond Number: 965002976 (BLM Reference No. ESB000024) N3700
Utah State Bond Number: ~~965003033~~ 965010695
Fee Land Bond Number: ~~965003033~~ 965010695
BIA Bond Number: ~~799446~~ 965010693

The attached document is an all inclusive list of the wells operated by Questar Exploration and Production Company. As of June 14, 2010 QEP Energy Company assumes all rights, duties and obligations as operator of the properties as described on the list

NAME (PLEASE PRINT) Morgan Anderson TITLE Regulatory Affairs Analyst

SIGNATURE Morgan Anderson DATE 6/23/2010

(This space for State use only)

RECEIVED
JUN 2 8 2010
DIV. OF OIL, GAS & MINING

APPROVED 6/30/2009
Earlene Russell
Division of Oil, Gas and Mining
Earlene Russell, Engineering Technician

(5/2000) (See Instructions on Reverse Side)

Questar Exploration Production Company (N5085) to QEP Energy Company (N3700)
RED WASH
effective June 14, 2010

well_name	sec	twp	rng	api	entity	mineral lease	type	stat	C
RW 34-23B	23	070S	230E	4304715136	5670	Federal	OW	P	
RW 41-23B	23	070S	230E	4304715138	5670	Federal	OW	P	
RW 32-22B	22	070S	230E	4304715139	5670	Federal	OW	P	
RW 43-23B	23	070S	230E	4304715140	5670	Federal	OW	P	
RW 32-17C	17	070S	240E	4304715145	5670	Federal	OW	P	
RW 34-26B	26	070S	230E	4304715148	5670	Federal	GW	TA	
RW 32-14B	14	070S	230E	4304715150	5670	Federal	OW	P	
RW 34-14B	14	070S	230E	4304715152	5670	Federal	OW	S	
RW 23-22B	22	070S	230E	4304715153	5670	Federal	OW	TA	
RW 43-22B	22	070S	230E	4304715155	5670	Federal	OW	P	
RW 32-23B	23	070S	230E	4304715156	5670	Federal	OW	P	
RW 23-13B	13	070S	230E	4304715157	5670	Federal	GW	TA	
RW 34-22B	22	070S	230E	4304715158	5670	Federal	OW	P	
RW 32-13B	13	070S	230E	4304715163	5670	Federal	GW	P	
RW 14-23B	23	070S	230E	4304715165	5670	Federal	OW	S	
RW 14-24A	24	070S	220E	4304715166	17554	Federal	OW	DRL	
RW 21-24B	24	070S	230E	4304715167	5670	Federal	OW	TA	
RW 34-13B	13	070S	230E	4304715168	5670	Federal	OW	P	
RW 21-29C	29	070S	240E	4304715169	5670	Federal	GW	P	
RW 12-17B	17	070S	230E	4304715170	5670	Federal	OW	P	
RW 32-33C	33	070S	240E	4304715171	5670	Federal	GW	P	
RW 14-23A	23	070S	220E	4304715176	5670	Federal	OW	P	
RW 12-18C	18	070S	240E	4304715183	5670	Federal	OW	P	
RW 21-22B	22	070S	230E	4304715186	5670	Federal	GW	TA	
RW 34-18B	18	070S	230E	4304715189	5670	Federal	OW	P	
RW 21-27B	27	070S	230E	4304715191	5670	Federal	OW	TA	
RW 23-22A	22	070S	220E	4304715192	5670	Federal	OW	P	
RW 21-18C	18	070S	240E	4304715193	5670	Federal	OW	P	
RW 12-13B	13	070S	230E	4304715196	5670	Federal	GW	S	
RW 32-18C	18	070S	240E	4304715198	5670	Federal	GW	P	
RWU 77 (21-13B)	13	070S	230E	4304715199	5670	Federal	OW	P	
RW 32-28B	28	070S	230E	4304715200	5670	Federal	OW	P	
RW 12-27B	27	070S	230E	4304715201	5670	Federal	OW	TA	
RW 14-27B	27	070S	230E	4304715202	5670	Federal	OW	P	
RW 41-31B	31	070S	230E	4304715203	5670	Federal	OW	P	
RW 41-27A	27	070S	220E	4304715205	5670	Federal	OW	S	
RW 44-14B	14	070S	230E	4304715206	5670	Federal	GW	P	
RW 43-21B	21	070S	230E	4304715211	5670	Federal	OW	P	
RW 12-22A	22	070S	220E	4304715213	5670	Federal	OW	P	
RW 12-22B	22	070S	230E	4304715218	5670	Federal	OW	P	
RW 34-21B	21	070S	230E	4304715220	5670	Federal	OW	P	
RW 34-15B	15	070S	230E	4304715222	5670	Federal	OW	P	
RW 32-21B	21	070S	230E	4304715226	5670	Federal	OW	P	
RW 21-28B	28	070S	230E	4304715227	5670	Federal	OW	P	

Bonds: BLM = ESB000024
BIA = 956010693
State = 965010695

Questar Exploration Production Company (N5085) to QEP Energy Company (N3700)
RED WASH
effective June 14, 2010

well_name	sec	twp	rng	api	entity	mineral lease	type	stat	C
RW 23-23A	23	070S	220E	4304715228	5670	Federal	OW	P	
RW 32-24A	24	070S	220E	4304715229	5670	Federal	OW	P	
RW 32-28A	28	070S	220E	4304715230	5670	Federal	OW	S	
RW 21-19B	19	070S	230E	4304715233	5670	Federal	OW	P	
RW 43-29A	29	070S	220E	4304715236	5670	Federal	OW	S	C
RW 23-28B	28	070S	230E	4304715237	17525	Federal	OW	P	C
RW 13-13B	13	070S	230E	4304715238	5670	Federal	GW	P	
RW 24-14B	14	070S	230E	4304715239	5670	Federal	OW	P	
RW 41-29A	29	070S	220E	4304715243	5670	Federal	OW	P	
RW 14-15B	15	070S	230E	4304715246	5670	Federal	OW	P	
RW 41-34B	34	070S	230E	4304715250	5670	Federal	OW	P	
RW 41-30B	30	070S	230E	4304715254	5670	Federal	OW	P	
RW 24-22B	22	070S	230E	4304715255	5670	Federal	OW	P	
RW 33-14B	14	070S	230E	4304715257	5670	Federal	OW	P	
RW 21-18B	18	070S	230E	4304715258	5670	Federal	OW	TA	
RW 22-22B	22	070S	230E	4304715260	5670	Federal	OW	TA	C
RW 42-14B	14	070S	230E	4304715264	5670	Federal	OW	P	
RW 14-29B	29	070S	230E	4304715265	5670	Federal	OW	P	
RW 32-30B	30	070S	230E	4304715268	5670	Federal	OW	P	
RW 32-15B	15	070S	230E	4304715270	5670	Federal	OW	P	
RW 12-20B	20	070S	230E	4304715272	5670	Federal	OW	S	
RW 12-28B	28	070S	230E	4304715274	5670	Federal	OW	P	
RW 32-26B	26	070S	230E	4304715275	5670	Federal	GW	TA	
RW 31-28B	28	070S	230E	4304715283	5670	Federal	OW	TA	
RW 34-30B	30	070S	230E	4304715288	5670	Federal	OW	P	
RW 23-26B	26	070S	230E	4304715290	5670	Federal	GW	S	
RW 41-33A	33	070S	220E	4304715294	5670	Federal	OW	P	
RW 43-24B	24	070S	230E	4304715295	5670	Federal	GW	TA	
RW 12-14B	14	070S	230E	4304715296	5670	Federal	OW	S	
RW 32-28C	28	070S	240E	4304715302	5670	Federal	GW	P	
RW 23-25A	25	070S	220E	4304715305	5670	Federal	OW	P	
RW 41-8F	08	080S	240E	4304720014	5670	Federal	GW	P	
RW 44-21C	21	070S	240E	4304730149	5670	Federal	GW	S	
RW 13-27B	27	070S	230E	4304730199	5670	Federal	OW	TA	
RW 21-34B	34	070S	230E	4304730258	5670	Federal	OW	P	
RW 43-26B	26	070S	230E	4304730259	5670	Federal	OW	TA	
RW 14-18C	18	070S	240E	4304730309	5670	Federal	OW	P	
RW 12-26B	26	070S	230E	4304730311	5670	Federal	OW	TA	
RW 32-24B	24	070S	230E	4304730313	5670	Federal	OW	P	
RW 34-18C	18	070S	240E	4304730314	5670	Federal	OW	P	
RW 21-19C	19	070S	240E	4304730340	5670	Federal	GW	P	
RW 14-25B	25	070S	230E	4304730341	5670	Federal	OW	P	
RW 32-35B	35	070S	230E	4304730342	5670	Federal	OW	TA	
RW 12-36B	36	070S	230E	4304730344	5670	Federal	OW	S	

Bonds: BLM = ESB000024
BIA = 956010693
State = 965010695

Questar Exploration Production Company (N5085) to QEP Energy Company (N3700)
RED WASH
effective June 14, 2010

well_name	sec	twp	rng	api	entity	mineral lease	type	stat	C
RW 22-14B	14	070S	230E	4304730345	5670	Federal	OW	P	
RW 42-13B	13	070S	230E	4304730346	5670	Federal	OW	P	
RW 23-19C	19	070S	240E	4304730348	5670	Federal	GW	P	
RW 22-18C	18	070S	240E	4304730387	5670	Federal	OW	P	
RW 22-17C	17	070S	240E	4304730388	5670	Federal	GW	P	
RW 44-26B	26	070S	230E	4304730520	5670	Federal	GW	P	
RW 42-27B	27	070S	230E	4304731051	5670	Federal	OW	TA	
RW 44-27B	27	070S	230E	4304731053	5670	Federal	OW	TA	
RW 44-23B	23	070S	230E	4304731054	5670	Federal	GW	P	
RW 11-35B	35	070S	230E	4304731079	5670	Federal	OW	P	
RW 22-35B	35	070S	230E	4304731082	5670	Federal	OW	P	
RW 33-23B	23	070S	230E	4304731476	5670	Federal	GW	TA	
RW 11-24B	24	070S	230E	4304731477	5670	Federal	OW	P	
RW 42-21B	21	070S	230E	4304731478	5670	Federal	OW	P	
RW 13-24B	24	070S	230E	4304731517	5670	Federal	OW	P	
RW 42-23B	23	070S	230E	4304731576	5670	Federal	GW	TA	
RW 12-35B	35	070S	230E	4304731578	5670	Federal	OW	S	
RW 24-15B	15	070S	230E	4304731579	5670	Federal	OW	P	
RW 24-18C	18	070S	240E	4304731582	5670	Federal	GW	P	
RW 43-15B	15	070S	230E	4304731682	17643	Federal	GW	DRL	C
RW 34-17B	17	070S	230E	4304731819	5670	Federal	OW	P	
RW 41-4F	04	080S	240E	4304732538	5670	Federal	GW	TA	
RW 23-23C	23	070S	240E	4304732629	5670	Federal	GW	P	
RW 14-17B	17	070S	230E	4304732738	5670	Federal	OW	P	
RW 32-17B	17	070S	230E	4304732981	5670	Federal	OW	P	
RW 32-18B	18	070S	230E	4304733018	5670	Federal	OW	P	
RW 42-20B	20	070S	230E	4304733490	5670	Federal	OW	P	
RW 22-20B	20	070S	230E	4304733491	5670	Federal	OW	P	
RW 24-19B	19	070S	230E	4304733492	5670	Federal	OW	P	
RW 22-21B	21	070S	230E	4304733522	5670	Federal	OW	S	
RW 24-20B	20	070S	230E	4304733523	5670	Federal	OW	P	
RW 44-19B	19	070S	230E	4304733524	5670	Federal	OW	P	
RW 44-20B	20	070S	230E	4304733525	5670	Federal	OW	P	
RW 24-18B	18	070S	230E	4304733554	5670	Federal	OW	P	
RW 42-19B	19	070S	230E	4304733556	5670	Federal	OW	P	
RW 22-19B	19	070S	230E	4304733559	5670	Federal	OW	P	
RW 23-24A	24	070S	220E	4304733567	5670	Federal	OW	P	
RW 42-24A	24	070S	220E	4304733569	5670	Federal	OW	P	
RW 21-25A	25	070S	220E	4304733576	5670	Federal	OW	P	
RW 41-25A	25	070S	220E	4304733579	5670	Federal	OW	P	
RW 21-24A	24	070S	220E	4304733592	5670	Federal	OW	P	
RW 44-18B	18	070S	230E	4304733594	5670	Federal	OW	P	
RW 41-24A	24	070S	220E	4304733769	5670	Federal	OW	P	
RW 42-30B	30	070S	230E	4304733771	5670	Federal	OW	S	

Bonds: BLM = ESB000024
BIA = 956010693
State = 965010695

Questar Exploration Production Company (N5085) to QEP Energy Company (N3700)
RED WASH
effective June 14, 2010

well_name	sec	twp	rng	api	entity	mineral lease	type	stat	C
RWU 44-30B	30	070S	230E	4304733772	5670	Federal	OW	P	
RW 22-25A	25	070S	220E	4304733786	5670	Federal	OW	P	
RW 34-27C	27	070S	240E	4304735045	5670	Federal	GW	P	
RW 34-22C	22	070S	240E	4304735098	5670	Federal	GW	P	
RW 34-23AG	23	070S	220E	4304735668	5670	Federal	OW	P	
RWU 32-27AG	27	070S	220E	4304735670	5670	Federal	OW	P	
RW 14-34AMU	34	070S	220E	4304735671	14277	Federal	GW	P	
RW 44-08FG	08	080S	240E	4304736349	15261	Federal	GW	P	
RW 34-34 AD	34	070S	220E	4304736351	16177	Federal	GW	P	
RW 33-31 BD	31	070S	230E	4304736357		Federal	GW	APD	C
RW 13-31 BD	31	070S	230E	4304736358		Federal	GW	APD	C
RW 21-26AD	26	070S	220E	4304736768	5670	Federal	OW	OPS	C
RW 43-26AG	26	070S	220E	4304736769	16575	Federal	OW	OPS	C
RW 43-23AG	23	070S	220E	4304736770	5670	Federal	OW	OPS	C
RW 41-26AG	26	070S	220E	4304736818	5670	Federal	OW	OPS	C
RW 04-25B	25	070S	230E	4304736982	17224	Federal	OW	P	
RW 34-27ADR	27	070S	220E	4304739445	16330	Federal	GW	P	
RW 32-29CD	29	070S	240E	4304739854		Federal	GW	APD	C
RW 24-10FD	10	080S	240E	4304739963		Federal	GW	APD	C
RW 34-20CD	20	070S	240E	4304739964		Federal	GW	APD	C
RW 32-20CD	20	070S	240E	4304739965		Federal	GW	APD	
RW 24-21CD	21	070S	240E	4304739966		Federal	GW	APD	C
RW 41-28CD	28	070S	240E	4304739967		Federal	GW	APD	C
RW 41-33CD	33	070S	240E	4304739968		Federal	GW	APD	C
RW 14-35 AMU	35	070S	220E	4304740051		Federal	GW	APD	C
RW 44-35 AMU	35	070S	220E	4304740052		Federal	GW	APD	
RW 12-17FG	17	080S	240E	4304740602		Federal	GW	APD	C

Bonds: BLM = ESB000024
BIA = 956010693
State = 965010695

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Utah State Office
P.O. Box 45155
Salt Lake City, UT 84145-0155
http://www.blm.gov/ut/st/en.html

TAKE PRIDE IN AMERICA

IN REPLY REFER TO:
3100
(UT-922)

JUL 2 8 2010

Memorandum

To: Vernal Field Office, Price Field Office, Moab Field Office

From: Chief, Branch of Minerals Roger L Bankert

Subject: Name Change Recognized

Attached is a copy of the Certificate of Name Change issued by the Texas Secretary of State and a decision letter recognizing the name change from the Eastern States Office. We have updated our records to reflect the name change in the attached list of leases.

The name change from **Questar Exploration and Production Company** into **QEP Energy Company** is effective June 8, 2010.

cc: MMS
UDOGM

API Well No: 43047151660000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-0561

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: RED WASH

1. TYPE OF WELL Oil Well

8. WELL NAME and NUMBER: RW 14-24A

2. NAME OF OPERATOR: QEP ENERGY COMPANY

9. API NUMBER: 43047151660000

3. ADDRESS OF OPERATOR: 11002 East 17500 South , Vernal, Ut, 84078

PHONE NUMBER: 303 308-3068 Ext

9. FIELD and POOL or WILDCAT: RED WASH

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0660 FSL 0711 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSW Section: 24 Township: 07.0S Range: 22.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 11/16/2010	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	☐ WILDCAT WELL DETERMINATION	✓ OTHER	OTHER: Change Type

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

QEP Energy Company respectfully requests the type of well change: From: Oil To: Gas

REQUEST DENIED
Utah Division of Oil, Gas and Mining
Date: 11/23/2010
By: Dark K Quist

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Jan Nelson	435 781-4331	Permit Agent
SIGNATURE N/A		**DATE** 11/16/2010

RECEIVED November 16, 2010

The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Sundry Conditions of Approval Well Number 43047151660000

Reported production shows only oil production from well. No gas production reported.

REQUEST DENIED
Utah Division of
Oil, Gas and Mining

Date: 11/23/2010

By:

API Well No: 43047151660000

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS, AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

5.LEASE DESIGNATION AND SERIAL NUMBER: UTU-0561

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7.UNIT or CA AGREEMENT NAME: RED WASH

1. TYPE OF WELL Oil Well

8. WELL NAME and NUMBER: RW 14-24A

2. NAME OF OPERATOR: QEP ENERGY COMPANY

9. API NUMBER: 43047151660000

3. ADDRESS OF OPERATOR: 11002 East 17500 South , Vernal, Ut, 84078

PHONE NUMBER: 303 308-3068 Ext

9. FIELD and POOL or WILDCAT: RED WASH

4. LOCATION OF WELL
FOOTAGES AT SURFACE: 0660 FSL 0711 FWL
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SWSW Section: 24 Township: 07.0S Range: 22.0E Meridian: S

COUNTY: UINTAH

STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
✓ NOTICE OF INTENT Approximate date work will start: 12/20/2010	☐ ACIDIZE	☐ ALTER CASING	☐ CASING REPAIR
☐ SUBSEQUENT REPORT Date of Work Completion:	☐ CHANGE TO PREVIOUS PLANS	☐ CHANGE TUBING	☐ CHANGE WELL NAME
☐ SPUD REPORT Date of Spud:	☐ CHANGE WELL STATUS	☐ COMMINGLE PRODUCING FORMATIONS	☐ CONVERT WELL TYPE
☐ DRILLING REPORT Report Date:	☐ DEEPEN	☐ FRACTURE TREAT	☐ NEW CONSTRUCTION
	☐ OPERATOR CHANGE	☐ PLUG AND ABANDON	☐ PLUG BACK
	☐ PRODUCTION START OR RESUME	☐ RECLAMATION OF WELL SITE	☐ RECOMPLETE DIFFERENT FORMATION
	☐ REPERFORATE CURRENT FORMATION	☐ SIDETRACK TO REPAIR WELL	☐ TEMPORARY ABANDON
	☐ TUBING REPAIR	☐ VENT OR FLARE	☐ WATER DISPOSAL
	☐ WATER SHUTOFF	☐ SI TA STATUS EXTENSION	☐ APD EXTENSION
	✓ WILDCAT WELL DETERMINATION	☐ OTHER	OTHER: Wildcat Tax Credit Appl

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

QEP Energy Company requests that the wildcat tax credit be applied to the above well. This is the first well with production from the Mesa Verde pool within a one mile radius at the time of completion (see attached map). The Mesa Verde Fm. is at 9221' in the subject wellbore, significantly deeper than the previously tested wells in the area. Gas production in this part of the basin has historically been from shallower horizons and therefore, this well should be considered wildcat in nature. Offset wells include: SEE ATTACHED

Approved by the Utah Division of Oil, Gas and Mining

Date: 01/24/2011

By: Dark K Quist

NAME (PLEASE PRINT)	PHONE NUMBER	TITLE
Jan Nelson	435 781-4331	Permit Agent
SIGNATURE N/A		**DATE** 12/20/2010

RECEIVED December 20, 2010

The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Sundry Conditions of Approval Well Number 43047151660000

For Mesaverde formation only. See attached Statement of Basis for more information.

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 01/24/2011

By: Dark K Quist

DIVISION OF OIL, GAS AND MINING

Wildcat Well Determination

STATEMENT OF BASIS

Applicant: QEP Energy Company

Location: SWSW Sec 24 T070S R220E Uintah county, Utah

WELL NAME: RW 14-24A **API #:** 43-047-15166

FINDINGS

1. This well was originally completed on November 22, 1955 in the Green River formation, with a spud date of September 11, 1955 reaching a total depth of 6,256 feet.
2. Several wells in the surrounding 1-mile radius have produced out of the Green River formation.
3. A permit to deepen was approved on October 21, 2009.
4. Well was deepened and re-completed on March 19, 2010 in the Mesa Verde formation, with a spud date of November 12, 2009 reaching a total depth of 11,826 feet.
5. This well was > 1 mile from any known production in the Mesa Verde Formation at the time of the re-completion and the start of commercial production. (Attachment A)
6. There has been no production out of the Mesa Verde formation from wells within a 1-mile radius of this well. (See Attachment A for surrounding well information)

CONCLUSIONS

Based on the findings above the Division has determined the RW 14-24A was drilled into an unknown area for the Mesa Verde formation. The Division finds that this well qualifies for the severance tax exemption under Section 59 [illegible] wildcat wells. This determination was made in accordance wi[illegible] General Conservation Rule R649-3-35. If the operator disa[illegible] determination, the decision may be appealed to the Board of Oil [illegible]

Approved by the Utah Division of Oil, Gas and Mining

Date: 01/24/2011

By:

Reviewer(s): Dustin K. Doucet Date: 1/24/2011

Joshua J. Payne Date: January 18, 2011

ATTACHMENT A

1 Mile Area of Review

API	WELL_NAME	Well Status	QTR	Sect	Town	Range	Cum Oil	Cum Gas	Field Type	Dx From Well(ft)	Rotar Spud	Date TD Reached	Date First Produced	Producing Formation
4304736818	RW 41-26AG	OPS	NENE	26	070S	220E	0	0	D	592				
4304736770	RW 43-23AG	OPS	NESE	23	070S	220E	0	0	D	580				
4304736769	RW 43-26AG	OPS	NESE	26	070S	220E	0	0	E	1106				
4304736768	RW 21-26AD	OPS	NENW	26	070S	220E	0	0	D	1268				
4304735668	RW 34-23AG	POW	SWSE	23	070S	220E	66773	7889	D	822			12/21/2004	GREEN RIVER
4304733951	RWU 41-23A	LA	NENE	23	070S	220E	0	0	D	1423				
4304733949	RWU 43-23A	LA	SENE	23	070S	220E	0	0	D	799				
4304733786	RW 22-25A	POW	SENW	25	070S	220E	29083	10840	D	1039			6/13/2001	GREEN RIVER
4304733592	RW 21-24A	POW	NENW	24	070S	220E	20056	4792	D	1338			11/30/2000	GREEN RIVER
4304733591	RW 12-24A	WIW	SWNW	24	070S	220E	11441	4273	D	952			1/29/2001	GREEN RIVER
4304733580	RWU 42-25A	PA	SENE	25	070S	220E	41	0	D	1491			11/9/2000	GREEN RIVER
4304733579	RW 41-25A	POW	NENE	25	070S	220E	31337	6889	D	1190			9/28/2000	GREEN RIVER
4304733577	RW 31-25A	WIW	NWNE	25	070S	220E	4939	9	D	946			10/24/2000	GREEN RIVER
4304733576	RW 21-25A	POW	NENW	25	070S	220E	71573	10410	D	440			10/6/2000	GREEN RIVER
4304733575	RW 13-25A	WIW	NWSW	25	070S	220E	2990	0	D	1359			1/6/2001	GREEN RIVER
4304733574	RW 11-25A	WIW	NWNW	25	070S	220E	11888	0	D	562			10/20/2000	GREEN RIVER
4304733569	RW 42-24A	POW	SENE	24	070S	220E	39315	12920	D	1368			12-9-010	GREEN RIVER
4304733568	RW 34-24A	WIW	SWSE	24	070S	220E	20140	106	D	762			9/20/2000	GREEN RIVER
4304733567	RW 23-24A	POW	NESW	24	070S	220E	74415	3930	D	659			1/3/2001	GREEN RIVER
4304733497	RW 13-19B	WIW	NWSW	19	070S	230E	9409	11878	D	1509			7/24/2000	GREEN RIVER
4304715305	RW 23-25A	POW	NESW	25	070S	220E	359834	168477	D	1297			7/30/1965	GREEN RIVER
4304715245	RWU 128 (32-23A)	PA	SWNE	23	070S	220E	69637	31796	D	1147			6/20/1960	GREEN RIVER
4304715229	RW 32-24A	POW	SWNE	24	070S	220E	151981	242842	D	1317			12/16/1959	GREEN RIVER
4304715228	RW 23-23A	POW	NESW	23	070S	220E	457777	310745	D	1300			12/3/1959	GREEN RIVER
4304715221	RW 41-24A	WIW	SENE	24	070S	220E	140511	173681	D	1549			8/5/1959	GREEN RIVER
4304715179	RW 41-25A	PA	NENE	25	070S	220E	21247	183832	D	1272			2/2/1957	GREEN RIVER
4304715166	**RW 14-24A**	**POW**	**SWSW**	**24**	**070S**	**220E**	**32953**	**12996**	**D**	**0**		**2/15/2010**	**3/19/2010**	**MESA VERDE**

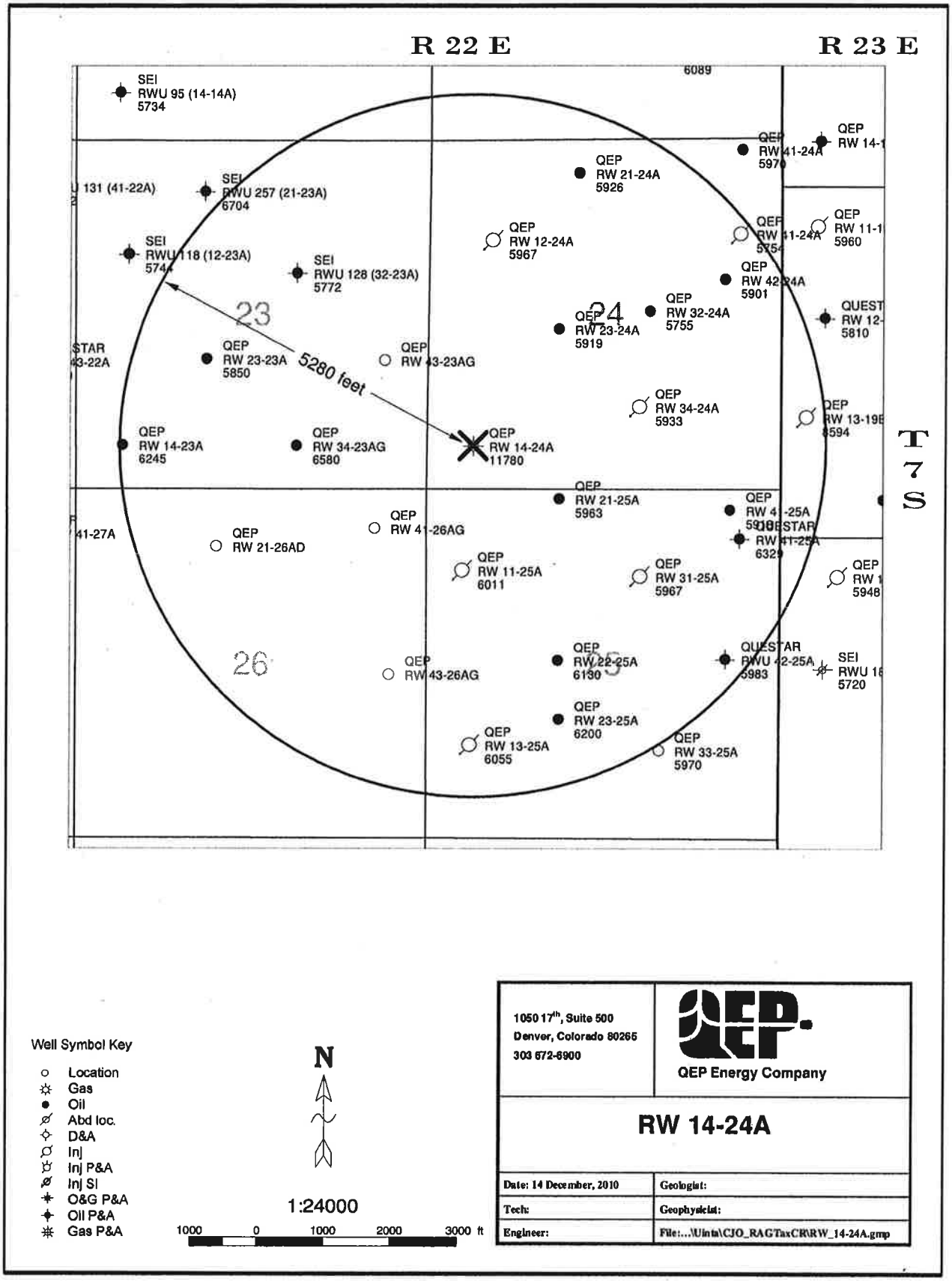
Approved by the
Utah Division of
Oil, Gas and Mining

Date: 01/24/2011

By:

API	WELL NAME	WELL NUMBER	TD	FORMATION AT TD
43047152210000	RED WASH	102 41-24A	5754	GRRV
43047152290000	RED WASH	111 32-24A	5755	GRRV
43047152450000	RED WASH	128 32-23A	5772	GRRV
43047152280000	RED WASH	110 23-23A	5850	GRRV
43047335690000	RED WASH	42-24A	5901	GRRV
43047335790000	RED WASH	41-25A	5918	GRRV
43047335670000	RED WASH	23-24A	5919	GRRV
43047335920000	RED WASH	21-24A	5926	GRRV
43047335680000	RED WASH	34-24A	5933	GRRV
43047335760000	RED WASH	21-25A	5963	GRRV
43047335910000	RED WASH	12-24A	5967	GRRV
43047335770000	RED WASH	31-25A	5967	GRRV
43047335800000	RED WASH	42-25A	5983	GRRV
43047335740000	RED WASH	11-25A	6011	GRRV
43047335750000	RED WASH	13-25A	6055	GRRV
43047337860000	RED WASH	22-25A	6130	GRRV
43047153050000	RED WASH	204 23-25A	6200	GRRV
43047151760000	RED WASH	50 14-23A	6245	WSTC
43047151790000	RED WASH	53 41-25A	6329	WSTC
43047356680000	RED WASH	34-23AG	6580	WSTC
43047334970000	FEDERAL	13-19B	8594	WSTC

RECEIVED December 20, 2010



Well Symbol Key

- Location
- Gas
- Oil
- Abd loc.
- D&A
- Inj
- Inj P&A
- Inj SI
- O&G P&A
- Oil P&A
- Gas P&A

N

1:24000

1000 0 1000 2000 3000 ft

1050 17th, Suite 500
Denver, Colorado 80265
303 672-6900

QEP Energy Company

RW 14-24A

Date: 14 December, 2010	Geologist:
Tech:	Geophysicist:
Engineer:	File:...\Uinta\CJO_RAGTaxCR\RW_14-24A.gmp

RECEIVED December 20, 2010

Don Staley <donstaley@utah.gov>

Re: Oil well or gas well? API 4304715166

1 message

Dustin Doucet <dustindoucet@utah.gov> Mon, Nov 30, 2015 at 9:37 AM
To: Don Staley <donstaley@utah.gov>

Yes, you can change it to a gas well. At the time I reviewed it I remember they didn't have any reported gas production as stated, don't think the WCR and daily's had been uploaded at that point either to support the change. I'm o.k. with it now.

Dustin

On Wed, Nov 25, 2015 at 11:59 AM, Don Staley <donstaley@utah.gov> wrote:

> Dustin,
>
> I ran into a well where you denied QEP's request in 11/2010 to change the well type of API 4304715166 from and Oil well to a Gas well (pp. 192-193 of well file). You stated, "Reported production shows only oil production from well. No gas production reported."
>
> We still have the well classified as an oil well in the database, but I noticed that QEP keeps calling it a gas well on their production report. And, it is producing far more gas than oil. For example, in July 2015, it produced 66 bbls oil and 12,078 mcf gas.
>
> I was just wondering if you should take a 2nd look at this?
>
> Don

--
Dustin K. Doucet
Petroleum Engineer
Division of Oil, Gas and Mining
1594 West North Temple, Ste 1210
Salt Lake City, Utah 84116
801.538.5281 (ofc)
801.359.3940 (fax)

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